TORNADO

Cloud Traveler™ User Manual

Laptop Smartphone Tablet USB File Sharing

FREE APP

Portable Wireless Router/Hotspot/Repeater

1. Extends the coverage of wireless networks
2. Wireless access to USB storage devices
3. High Power charger for Smartphones and Tablets
4. Can be controlled via Smartphones and Tablets

TORNADO

Cloud Traveler™

User Manual

Congratulations on your purchase of this outstanding Cloud Traveler™.

Great for traveler to charge iPad/iPhone, mobile devices. Working as an AP router for traveler to access Internet easily by their iPad, iPhone and Laptop via Wi-Fi. Support any 5V USB chargeable handheld devices including iPad, iPhone. With extra USB port, connecting a USB hard drive to act as a wireless HDD and support HTTP file server for iPad/iPhone to browse contents via browser. USB port supports Smartphone or 3G USB card to share Internet connection.
With its Hotspot mode, it will let your network wirelessly and extend your wireless coverage.

FCC Radiation Norm
This equipment has been tested and found to comply with limits for a Class B digital device pursuant to 47 CFR, Part 2 and Part 15 of the Federal Communication Commission (FCC) rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received including interferences that may cause undesired operations.

CE Radiation Norm
This equipment has been tested and found to comply with the limits of the European Council Directive 99/5/EC on the approximation of the law of the member states relating to EN 300 328 V1.7.1 (2006-10), EN 301 489-1 V1.8.1 (2008-04) and EN 301 489-17 V1.3.2 (2008-04) and EN 60950.

FCC & CE Cowmpliance Statement
These limits are designed to provide reasonable protection against radio interference in a residential environment. This equipment can generates, uses and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment ON and OFF, the user is encouraged to try to reduce the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connect to
- Consult a dealer or an experienced technician for assistance

CAUTION!
The Federal Communication Commission warns the user that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

TORNADO

Cloud Traveler™

Contents

1.1 Features

Functions
- Support Router, hotspot, repeater mode.
- Support Setup Wizard.
- Support File Server for user to playback Music/Video/Photo
- Support APP Configuration for Android Phone
- Support Simple configuration for Smart Phone

Wireless
- IEEE 802.11b/g/n standards compliant.
- Support data rates up to 150Mbps (Auto-Rate Capable).
- Support WEP/WPA/WPA2 Encryption.
- Support Wireless hotspot mode.

WAN Ethernet Interface
- 1 Port Interface compliant with IEEE 802.3x standards.
- Automatic MDI/MDIX crossover for 10/100 Base-T port.
- Auto-negotiation and speed-auto-sensing support.
- xDSL/Cable modem support
- WAN Access Type: Static IP,DHCP,PPPoE,3G USB and Android Mobile

Network Management
- Web-based Management
- Remote Access Control
- Firmware upgrade via HTTP/TFTP
- System Log

USB
- 5V/2.1A USB port for charging iPad/iPhone and Smartphone
- USB port for Smart Phone,3G USB card
- USB port for Flash Drive, USB Hard Drive, USB Card Reader

1.2 System Requirement

Check and confirm that your system/network meets the following requirements:
- Personal computer (PC/Notebook/Tablet PC) or Smartphone.
- One IEEE 802.11b/g/n Wireless adapter with installed TCP/IP
- Internet Browser.

1.3 Package Contents

The Cloud Traveler™ package contains the following items:
- Cloud Traveler™
- AC plug (x 3)

If any of the above items are damaged or missing,
please contact your dealer immediately.

2. Knowing CT300

2.1 LED Indicator

The Cloud Traveler™ LED indicator displays information about the device's status.

- **Green** Cloud Traveler™ access Internet successfully.
- **Orange** Flashing when Cloud Traveler™ cannot access Internet.
- **Red** Cloud Traveler™ is booting.

2.2 Ports

The ports of the Cloud Traveler™ are a WAN Ethernet port, Reset Button, USB data/charging port and USB charging only port.

- **WAN** Port for connecting a UTP5/6 ethernet cable to a DSL modem.
- **Reset** Resetting the Cloud Traveler™ to factory default. Press this button for more than 5 secs, then release.
- **USB** Connect a USB HDD, Flash Drive, Card Reader, 3G card or charge a Blackberry Smartphone.
- **USB Charging** Only for Charging iPad, iPhone and Smartphone. Support DC5V up to 2.1A.

The lower USB Port (red Circle) is only for charging. Do not plug any USB device to this charging port.

2.3 Power ON/OFF

The Power ON/OFF Button of Cloud Traveler™.

2.4 Hardware Connection

This section describes the hardware connection of Cloud Traveler™ to an internet router or network switch. You need to prepare the following items before you can establish an Internet connection through your Cloud Traveler™:

1. A notebook/tablet PC with wireless networking enabled.
2. Internet available of any ADSL/Cable modem or 3G USB card/3G Mobile phone.
3. Flash Drive/ USB hard drive.

Install the device

Gateway:

1. Insert one end of the Ethernet cable to the WAN port of Cloud Traveler™.
2. Insert one end of the Ethernet cable to the LAN port of ADSL/Cable modem which has Internet available.
3. Insert the flash drive to the USB port of Cloud Traveler™ if you want to share the contents of the flash drive with other Wi-Fi devices.
4. Now Wi-Fi devices can wirelessly access the Internet via the Cloud Traveler™.

Hotspot:

1. Wi-Fi devices can connect to the Cloud Traveler™.
2. The Cloud Traveler™ connects to a root Access Point (AP) which has an Internet connection.
3. Configure your Cloud Traveler™ to Hotspot mode.
4. Now Wi-Fi devices can access the Internet via the Cloud Traveler™ and root AP.

3G USB Sharing:

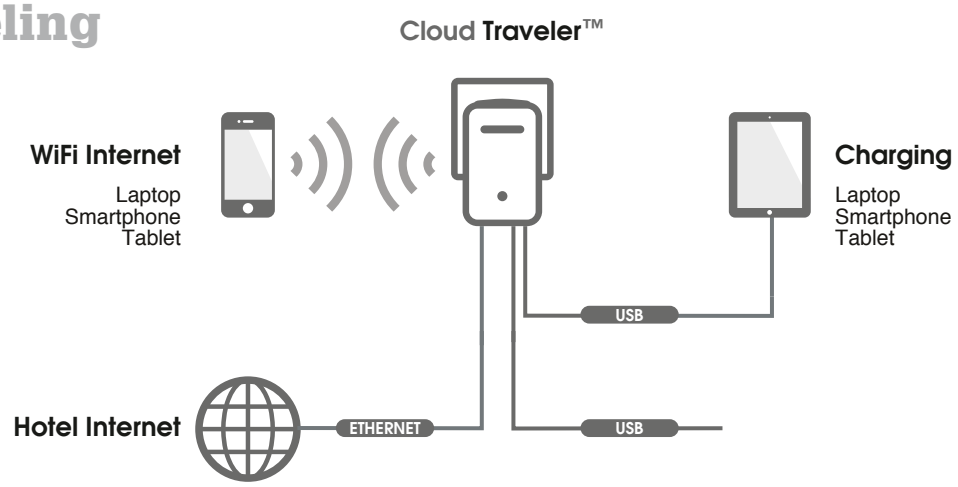
1. Insert your 3G data card to the USB port of Cloud Traveler™.
2. Configure your Cloud Traveler™ to 3GUSB mode.
3. Now Wi-Fi devices can access the Internet over your 3G data card network.

Android Mobile Sharing:

1. Insert your Android phone to the USB port of Cloud Traveler™.
2. Enable USB Tethering on your Android phone.
3. Configure your Cloud Traveler™ to Android Mobile mode.
4. Now Wi-Fi devices can access the Internet over your Smartphone 3G network.

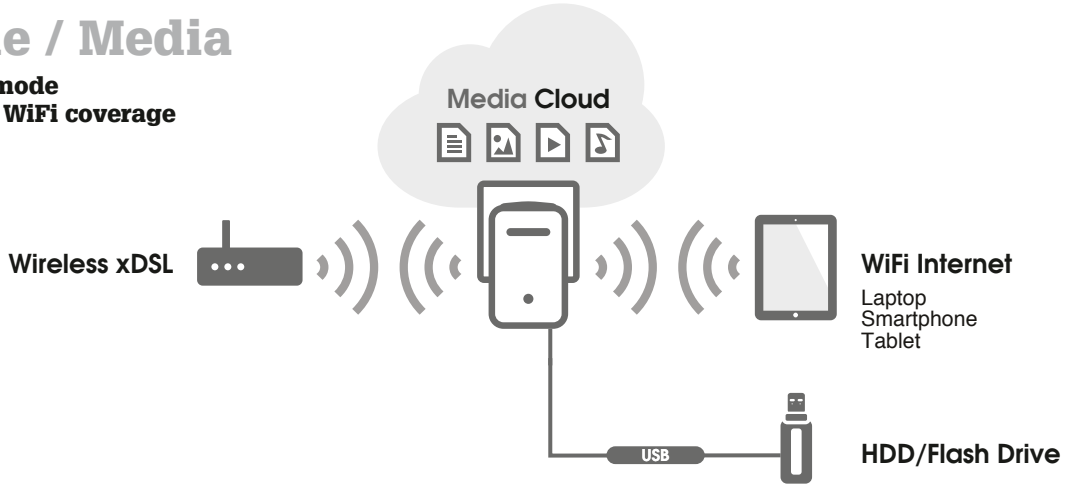
Figures on the following page show the overall hardware connection mechanism of your Cloud Traveler™.

Traveling

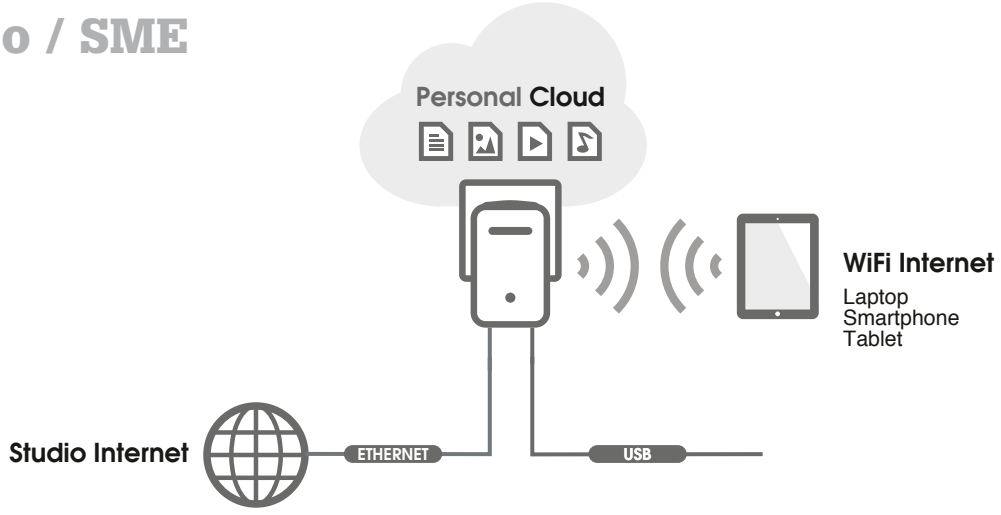


Home / Media

Hotspot mode
for wider WiFi coverage



Studio / SME



3. Configuration via PC

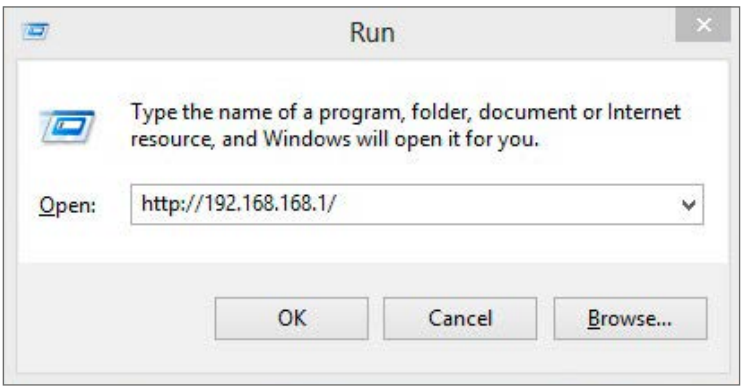
For your convenience, the web GUI allows you to configure the Cloud Traveler™ using a web browser. This chapter will explain the functions in the Web GUI. Please turn ON the wireless adapter on the PC first.

3.1 Connecting to Cloud Traveler

Step 1: Open Control Panel -> Network and Sharing Center.
Step 2: Click on the Connect to a network.
Step 3: Choose TORNADO CLOUD TRAVELER and connect.

3.2 Login

To access the Cloud Traveler™ configuration screens, follow the following steps which will enable you to log into the Cloud Traveler™.



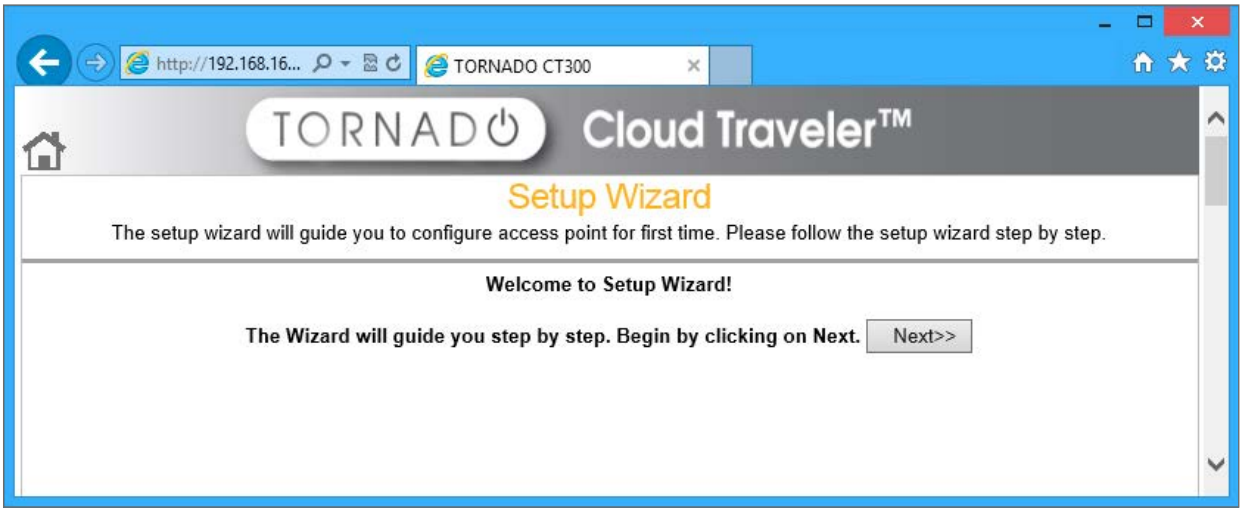
1. Launch your web browser, and enter the Cloud Traveler™ IP Address: **192.168.168.1** in the address field then press the **Enter** key or **OK** button to login.

2. Enter the default user name: **admin** and Password: **admin**. Then press **OK** to login.

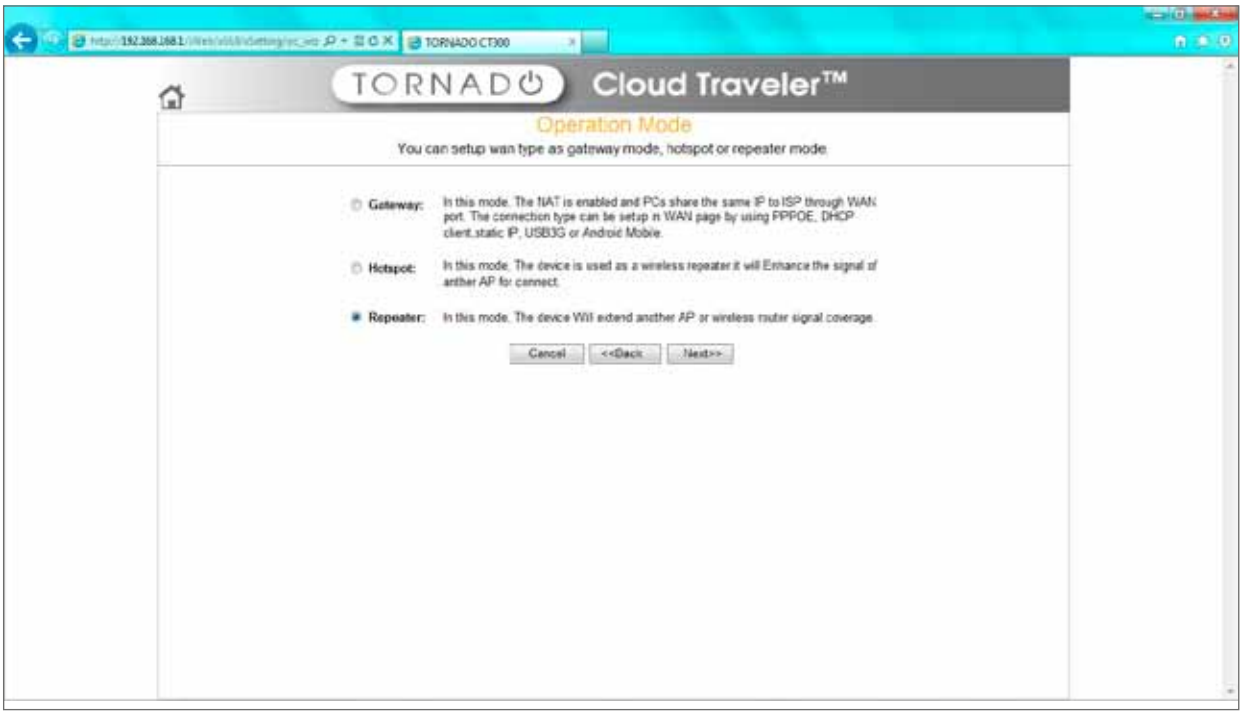
3. There are Wizard, WAN, System Setting, Wireless and FileServer icons to help you to configure the Cloud Traveler™ easily.

3.3 Wizard

Click on **Wizard** and the following screen will pop-up:



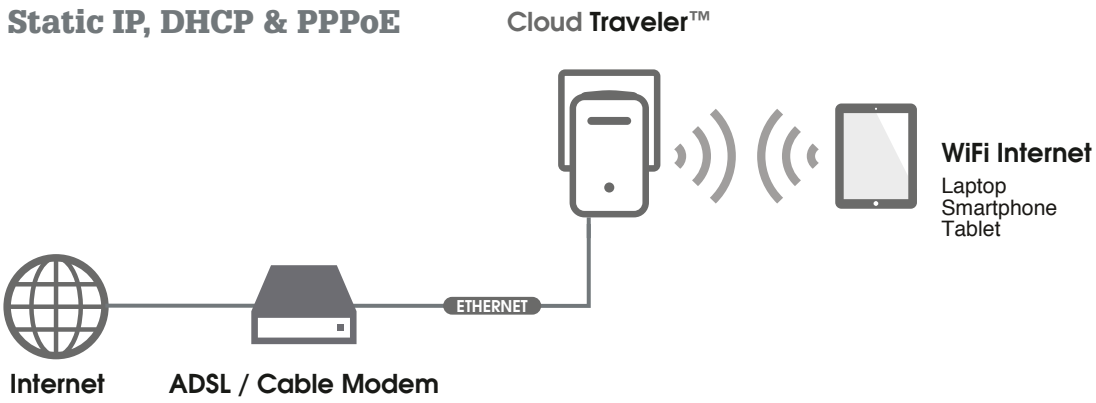
Click **Next >>** button to continue. Choose **Gateway** or **Hotspot** or **Repeater** mode.



3.3.1 Gateway Mode

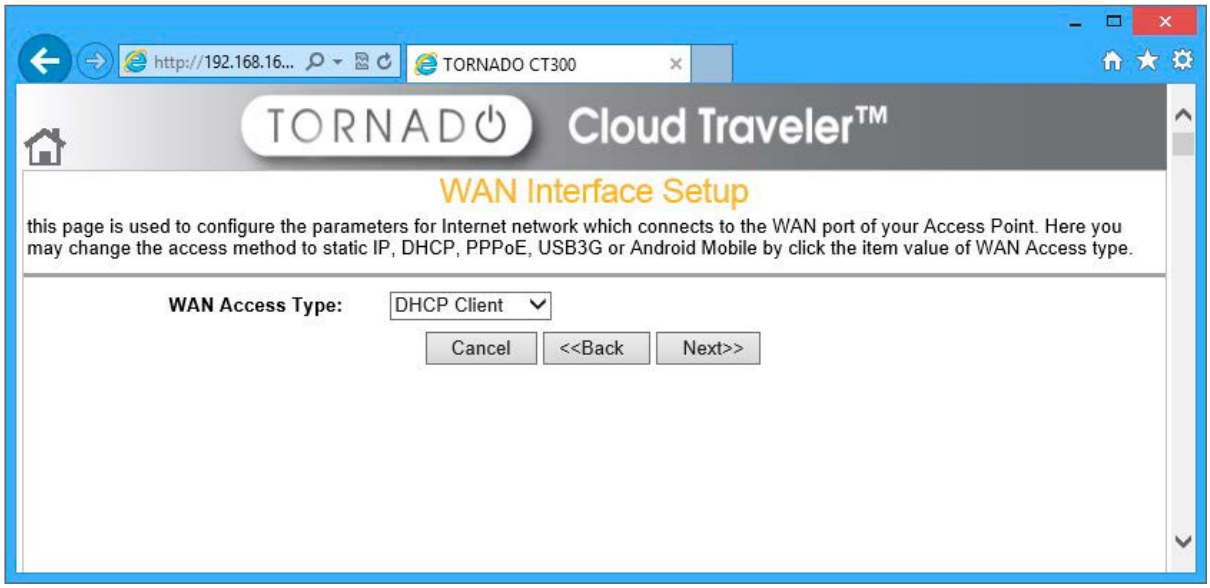
In the Gateway mode, the Cloud Traveler™ connects to the Internet through an ADSL modem, cable modem, 3G USB card or Android mobile phone.

WAN access type: Static IP, DHCP, PPPoE, USB3G and Android Mobile device.

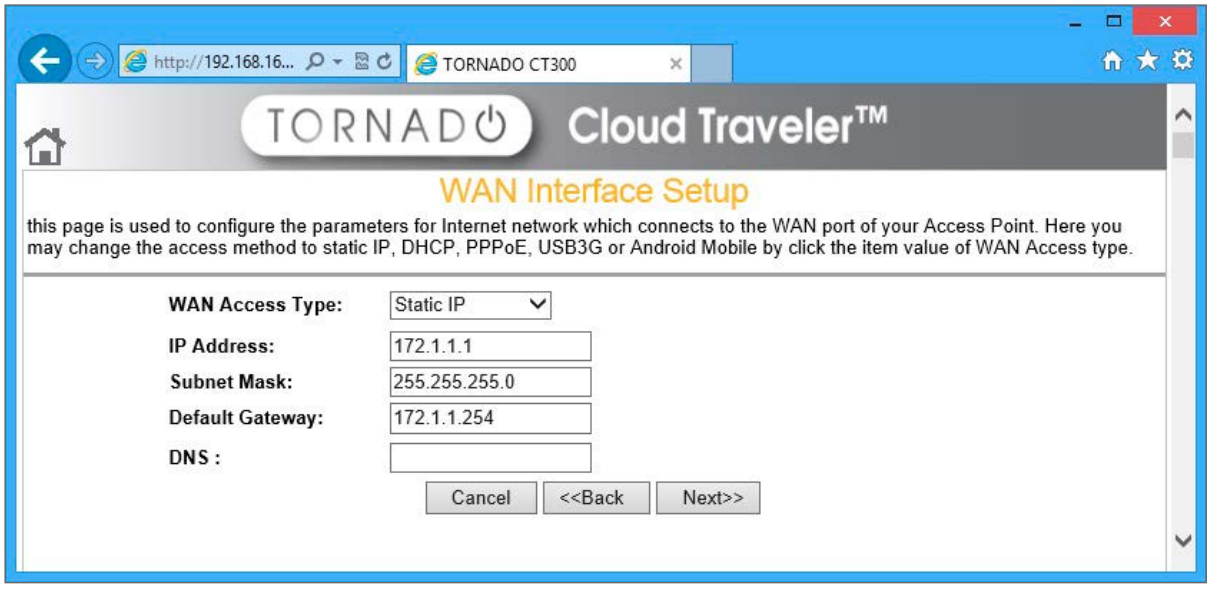


Select WAN access from the drop-down list.

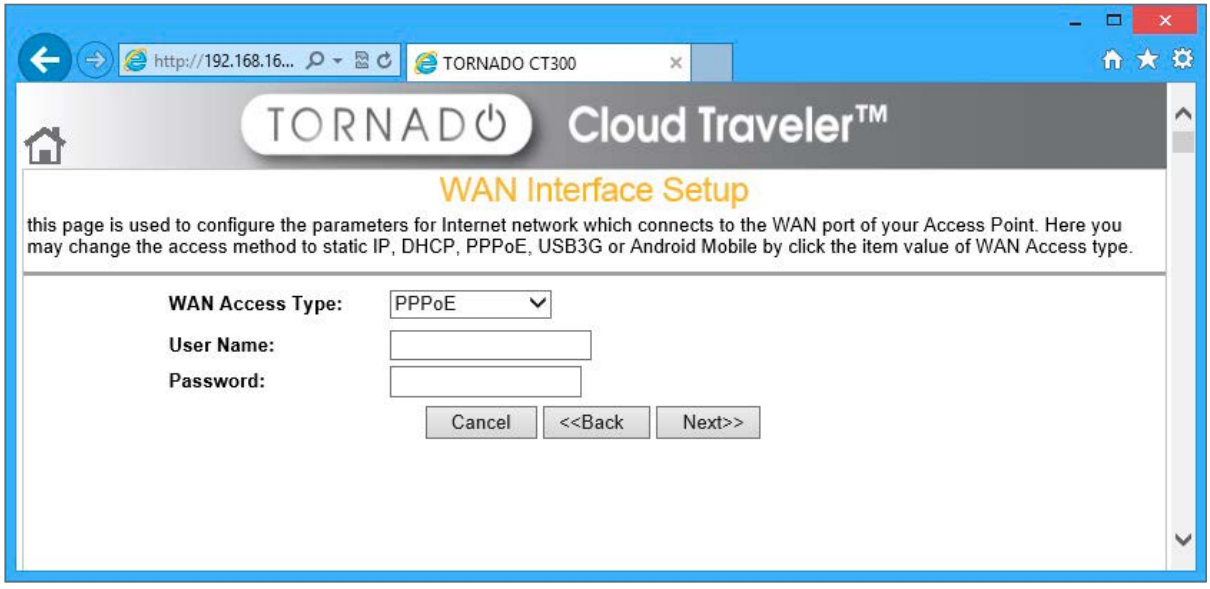
- **DHCP:** If you are using DHCP client, just click Apply changes to save the setting.



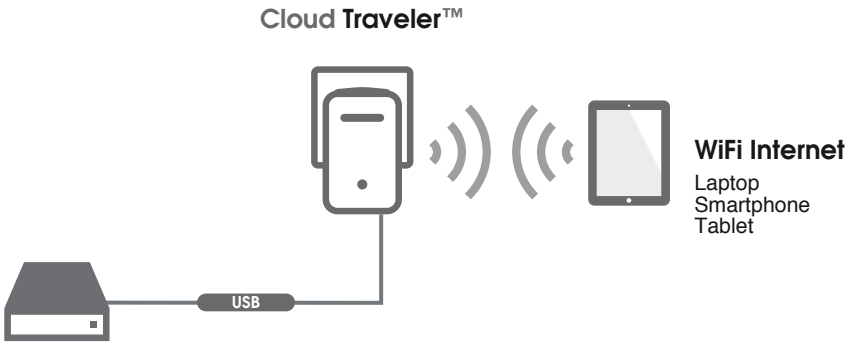
- **Static IP:** Please fill in IP address, subnet mask, Default Gateway, DNS IP address if you are using a Static IP.



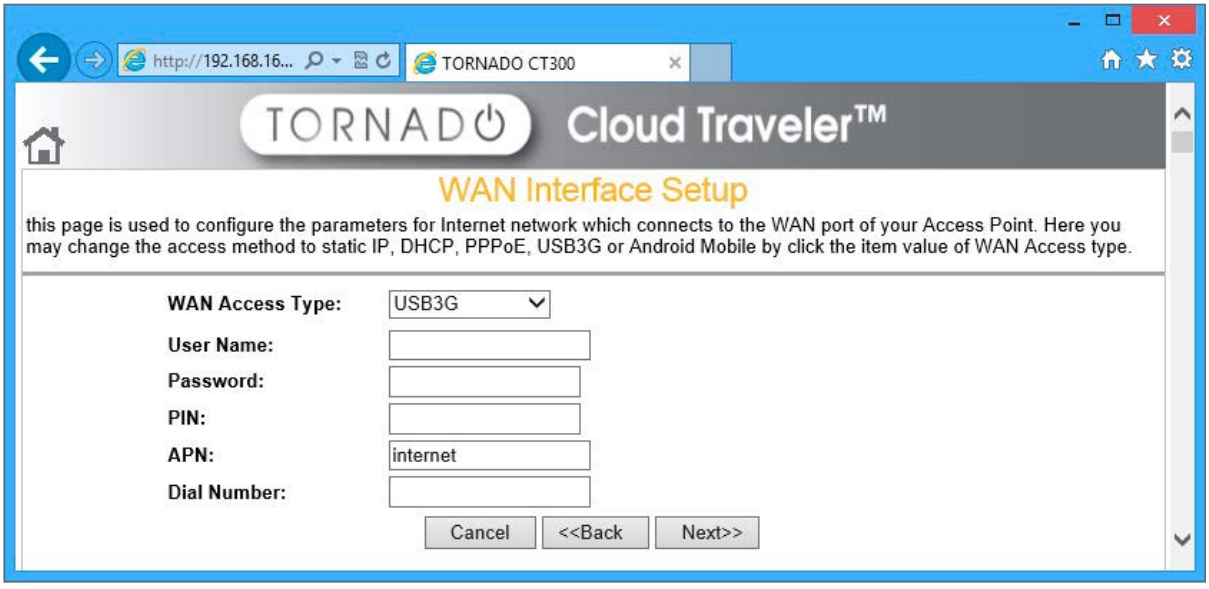
- **PPPoE:** Please enter the username and password if you are using a PPPoE connection.



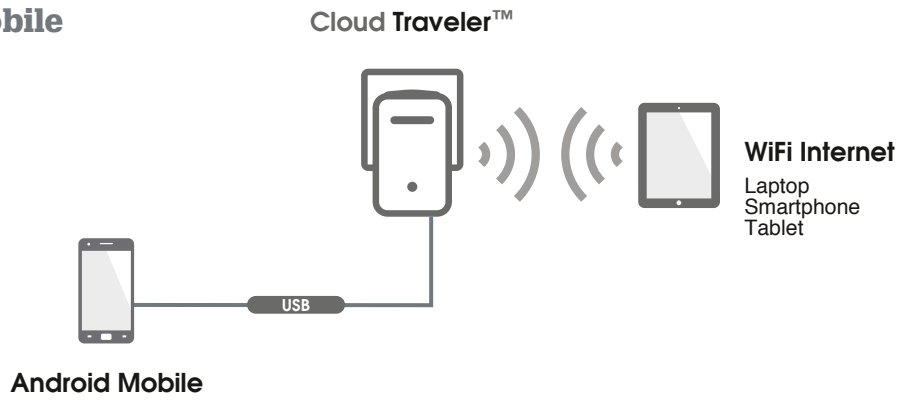
USB3G



Please enter the information of APN service name, PIN code, dial number, account name and password if you choose USB3G if you want to use your 3G USB card to access Internet.



Android Mobile



Select Android Mobile in WAN Access Type then click Apply Changes.

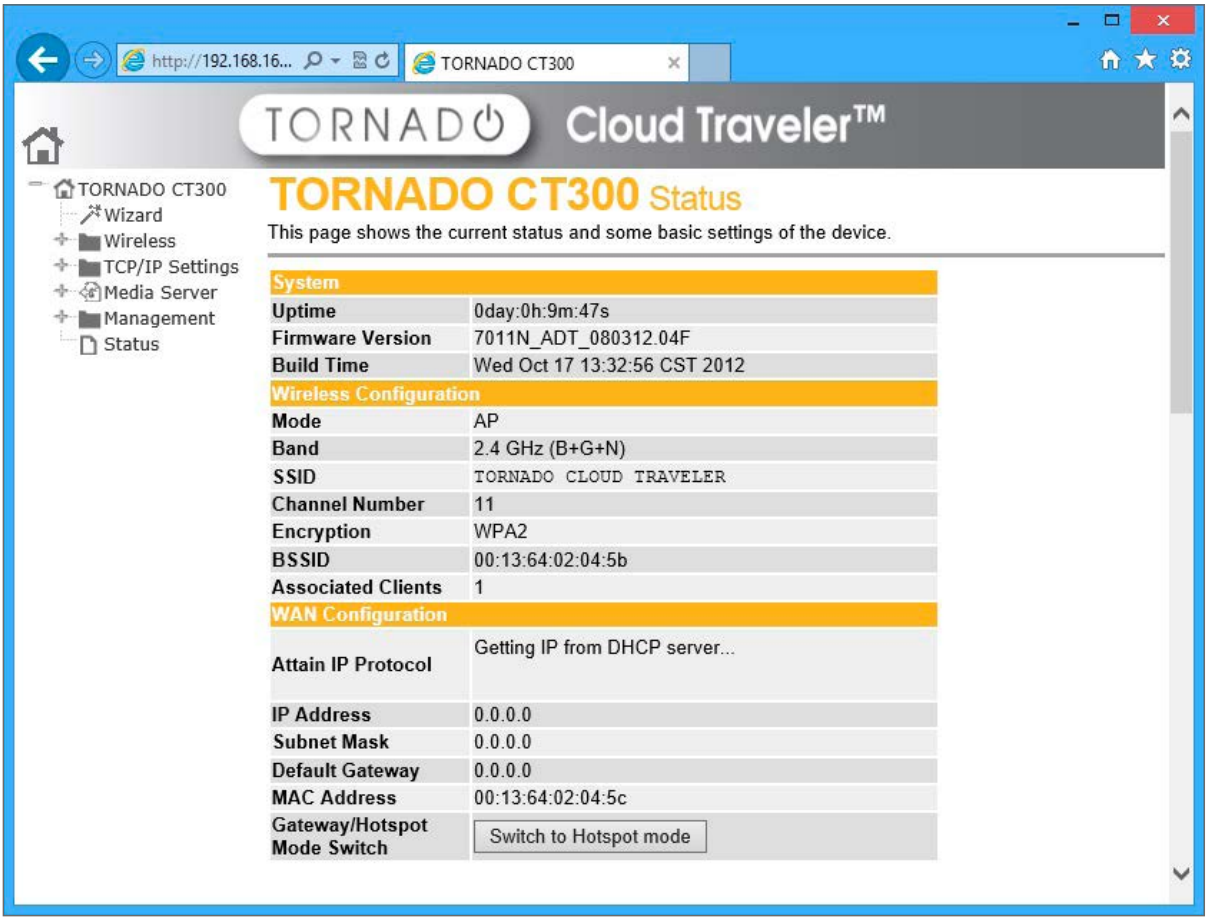
1. Click Next >> button to continue.
2. Enter a wireless SSID.

3. Select Encryption and key.

- None
- WEP-64bits
- WEP-128bits
- WPA PSK
- WPA2 PSK
- WPA2 Mixed

4. Click **Finished** button to accept the settings.

5. Enter status page to check the information in Gateway mode.



3.3.2 Hotspot Mode

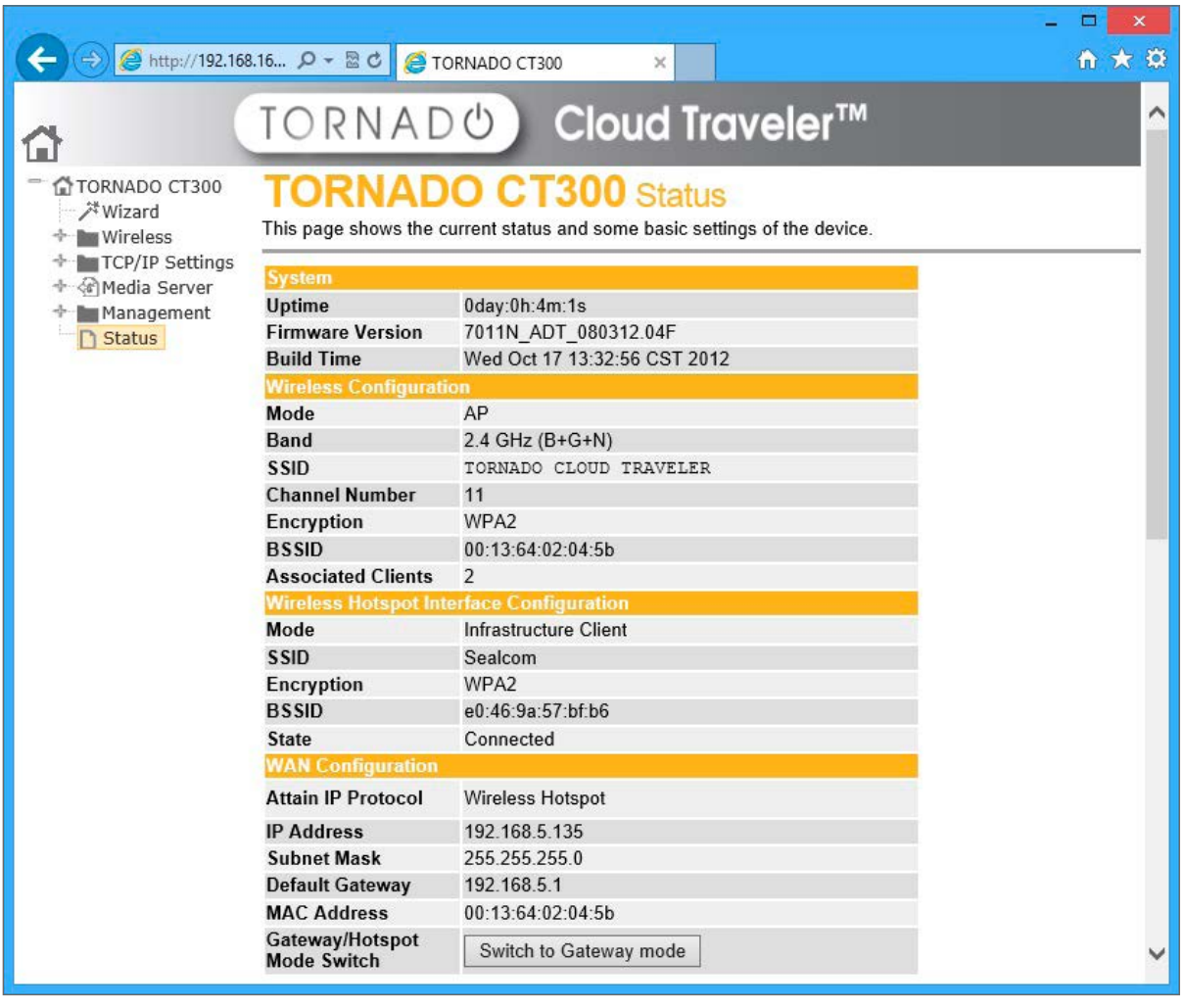
In the Hotspot mode, the Cloud Traveler™ connects to a xDSL/Cable wireless router and allows Wi-Fi devices to connect to the Internet.
It also extends the range of the wireless network coverage.

To configure the Cloud Traveler™ to Hotspot mode:

1. Click **Scan network** button and select a root AP router to connect.

2. Select Encryption and key of the root AP router and click the Finished button to save the settings.

3. Enter Status page to check the information in Hotspot mode.



3.3.3 Repeater Mode

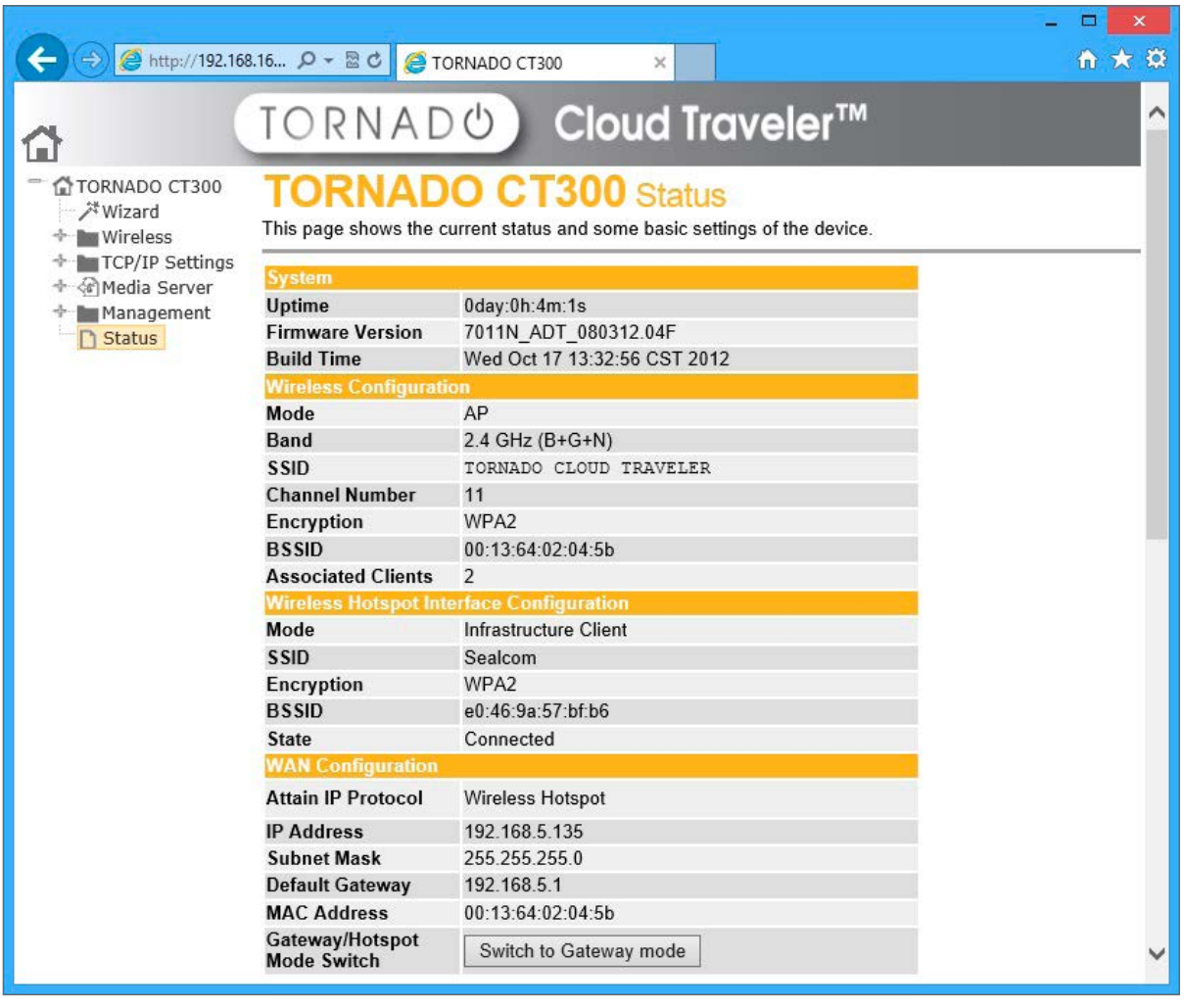
In repeater mode, the Cloud Traveler™ connects to a xDSL/Cable wireless router and allows Wi-Fi devices to connect to the Internet in the same network range. It extends the range of the wireless network coverage.

To configure the Cloud Traveler™ to Repeater mode:

1. Click **Scan network** button and select a root AP router to connect.

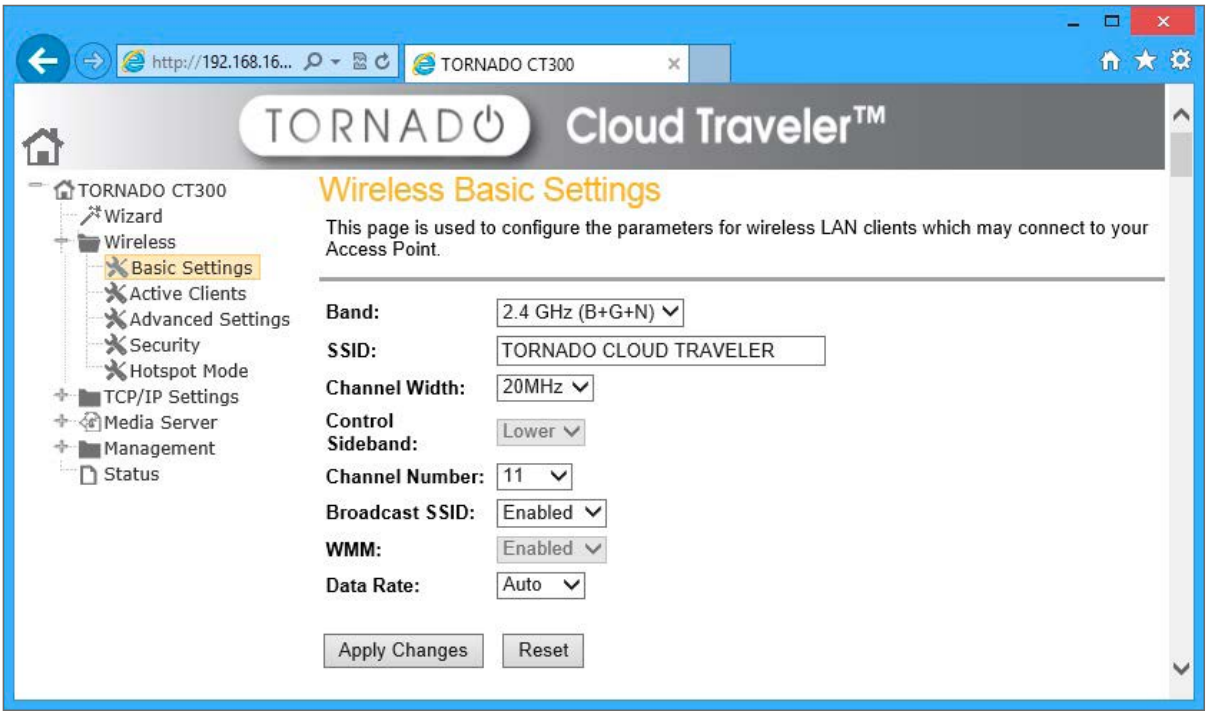
2. Select Encryption and key of the wireless AP router and click the Finished button to save the settings.

3. Enter Status page to check the information in Repeater mode.



3.4 Wireless

Click the **Wireless** icon and it will show the wireless Basic Settings.
A screen is displayed as shown in following figure.



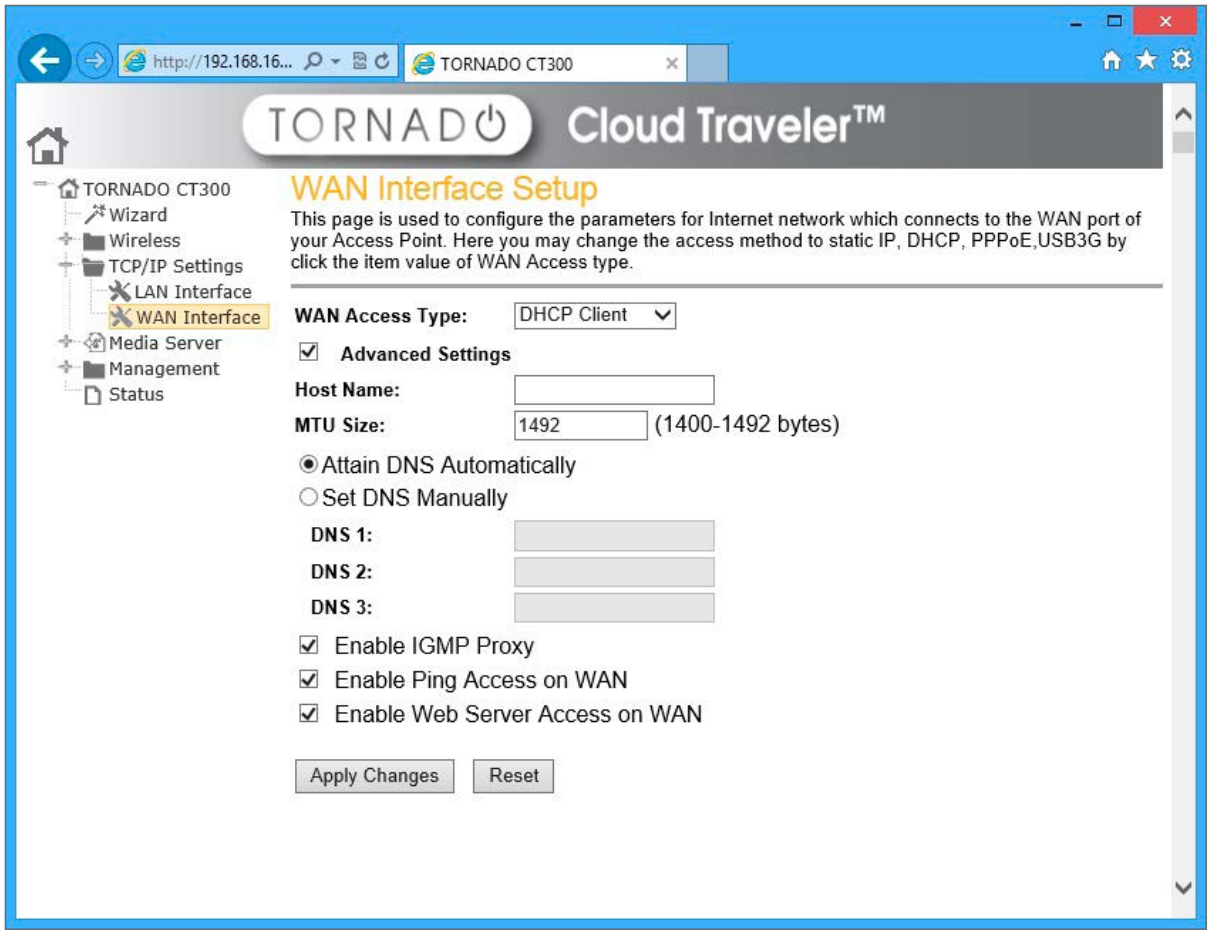
Fields & Descriptions:

- **Band** Select the appropriate band from the list provided that corresponds with your network settings.
- **SSID** The Service Set Identifier (SSID) or network name.
  It is case sensitive and must not exceed 32 characters, which may be any keyboard character.
  The mobile wireless stations shall select the same SSID to be able to communicate with your Cloud Traveler™.
- **Channel Width** The selections are 40MHz or 20MHz.
- **Control Sideband** The selections are Upper or Lower.
- **Channel Number** Select the channel from the list provided that corresponds with your network settings.
  You shall assign a different channel for each AP to avoid signal interference.
- **Broadcast SSID** The selections are Enabled or Disabled.
- **WMM** Wi-Fi Multimedia (WMM) is a wireless Quality of Service feature that improves quality of audio, video, and voice applications by prioritizing wireless traffic. To use this feature, the wireless client devices in your network must support Wireless WMM. Enabled by Default.
- **Data Rate** The selections are Auto, 1M, 2M, 5.5M, 11M, 6M, 9M, 12M, 18M, 24M, 36M, 48M, 54M, MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6 and MCS7.

Apply Changes
Change the settings. New parameters will take effect after save into flash memory and please reboot device.

3.5 WAN

Click the WAN icon and it will show the WAN Interface Setup.
A screen is displayed as shown in following figure.

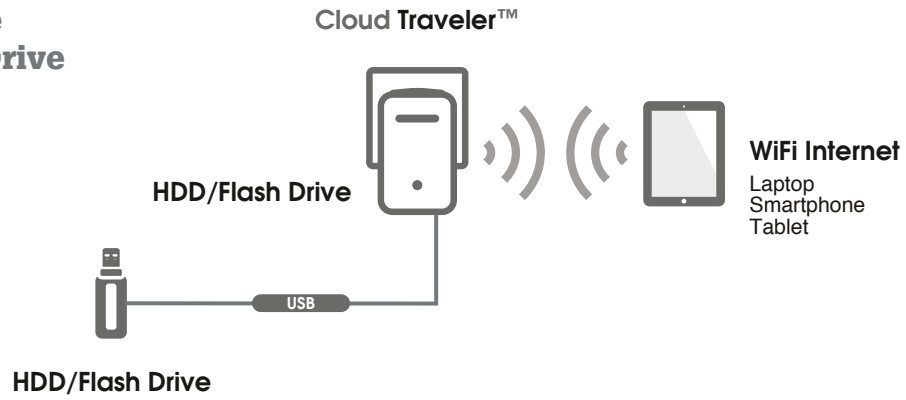


This page is used to configure the parameters for an Internet network which connects to the WAN port or USB port of the Cloud Traveler™. Here you may change the access type to static IP, DHCP, PPPoE, USB3G or Android Mobile by choosing the value of the desired WAN Access type.

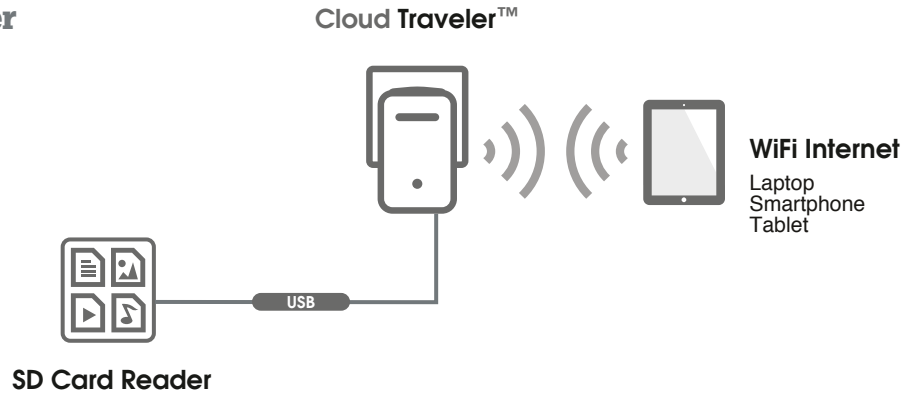
3.6 File Server

First, please connect your USB card reader, USB flash drive or USB Hard Drive to the USB port of the Cloud Traveler™. Then click on the **File Server** icon and it will list all the folders and files on your Flash Drive or USB HDD. It acts as a wireless HDD and supports HTTP file server for iPad/iPhone to browse its contents (Photo, Music, Video) via a webbrowser. You can also use your Android Phone as a USB storage device. Please refer to the user manual of your Android Phone to enable USB storage.

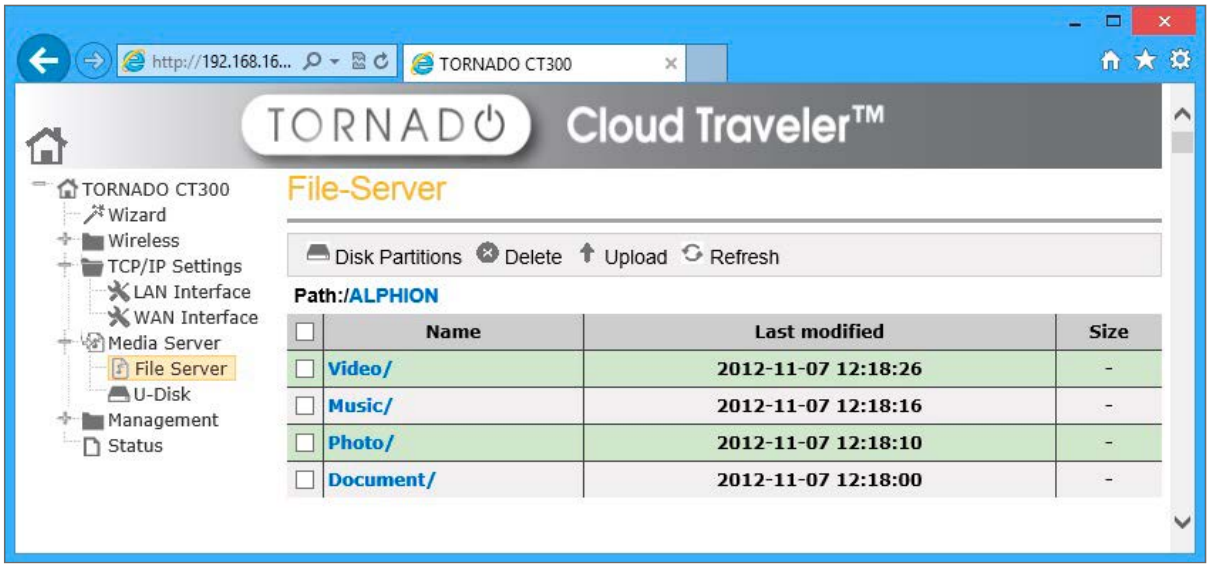
Flash Drive
USB Hard Drive



Card Reader



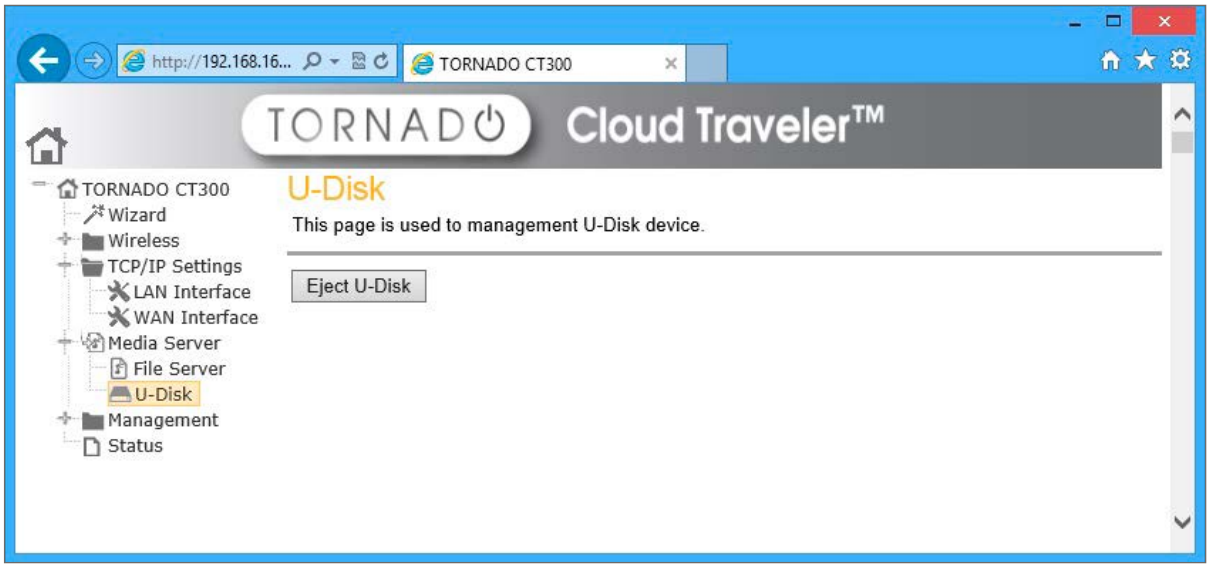
This is how the file list will appear.



Icons & Descriptions:

- **Band** Select the appropriate band from the list provided to correspond with your network setting.
- **Disk Partitions** Click this icon to see the disk partition of your USB HDD.
- **Delete** Check folder or files you want to delete then click Delete icon to delete them.
- **Upload** Click the Upload icon and choose a file to upload to the flash drive which that is connected to the Cloud Traveler™.
- **Refresh** Refresh the contents of the USB disk.

Click **Eject U-disk** to eject your USB disk safely.



3.7 System settings

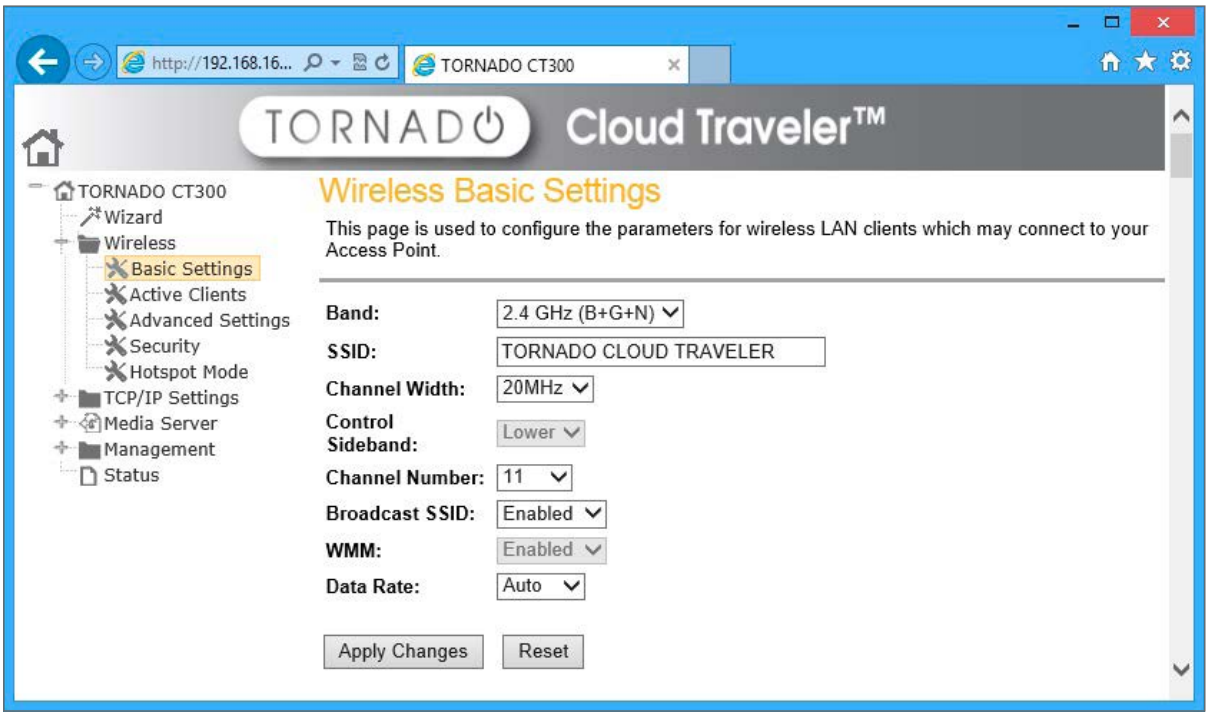
3.7.1 Wireless

Click the System Setting icon and you can view the wireless link in the left navigation bar.
Following are the options available under wireless:

- **Basic Settings**
- **Active Clients**
- **Advanced Settings**
- **Security**
- **Hotspot Mode**

3.7.1.1 Basic Settings

To configure the wireless basic settings, click on the **Basic Settings** link in the left navigation bar.
A screen is displayed as shown in following figure.



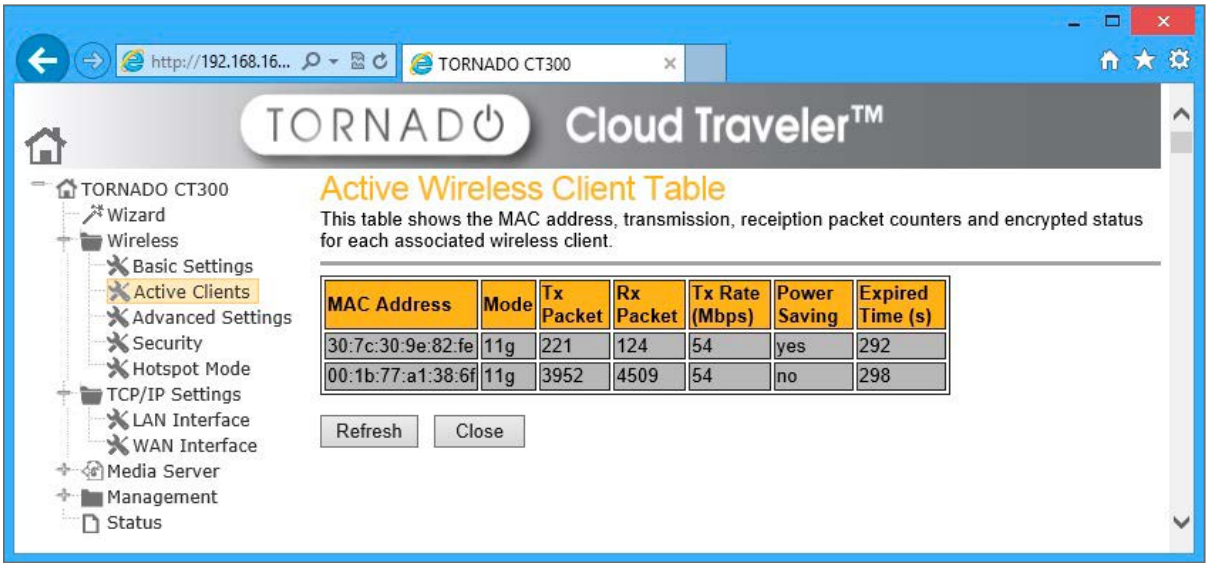
Fields & Descriptions:

- **Band** Select the appropriate band from the list provided to correspond with your network setting.
- **SSID** The Service Set Identifier (SSID) or network name.
  It is case sensitive and must not exceed 32 characters, which may be any keyboard character.
  The mobile wireless stations shall select the same SSID to be able to communicate with your Cloud Traveler™.
- **Channel Width** The selections are 40MHz or 20MHz.
- **Control Sideband** The selections are Upper or Lower.
- **Channel Number** Select the appropriate channel from the list provided to correspond with your network settings.
  You must assign a different channel for each AP to avoid signal interference.
- **Broadcast SSID** The selections are Enabled or Disabled.
- **WMM** Wi-Fi Multimedia (WMM) is a wireless Quality of Service feature that improves quality of audio, video, and voice applications by prioritizing wireless traffic. To use this feature, the wireless client devices in your network must support Wireless WMM. Enabled by Default.
- **Data Rate** The selections are Auto, 1M, 2M, 5.5M, 11M, 6M, 9M, 12M, 18M, 24M, 36M, 48M, 54M, MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6 and MCS7.

Apply Changes
Change the settings. New parameters will take effect after save into flash memory and please reboot device.

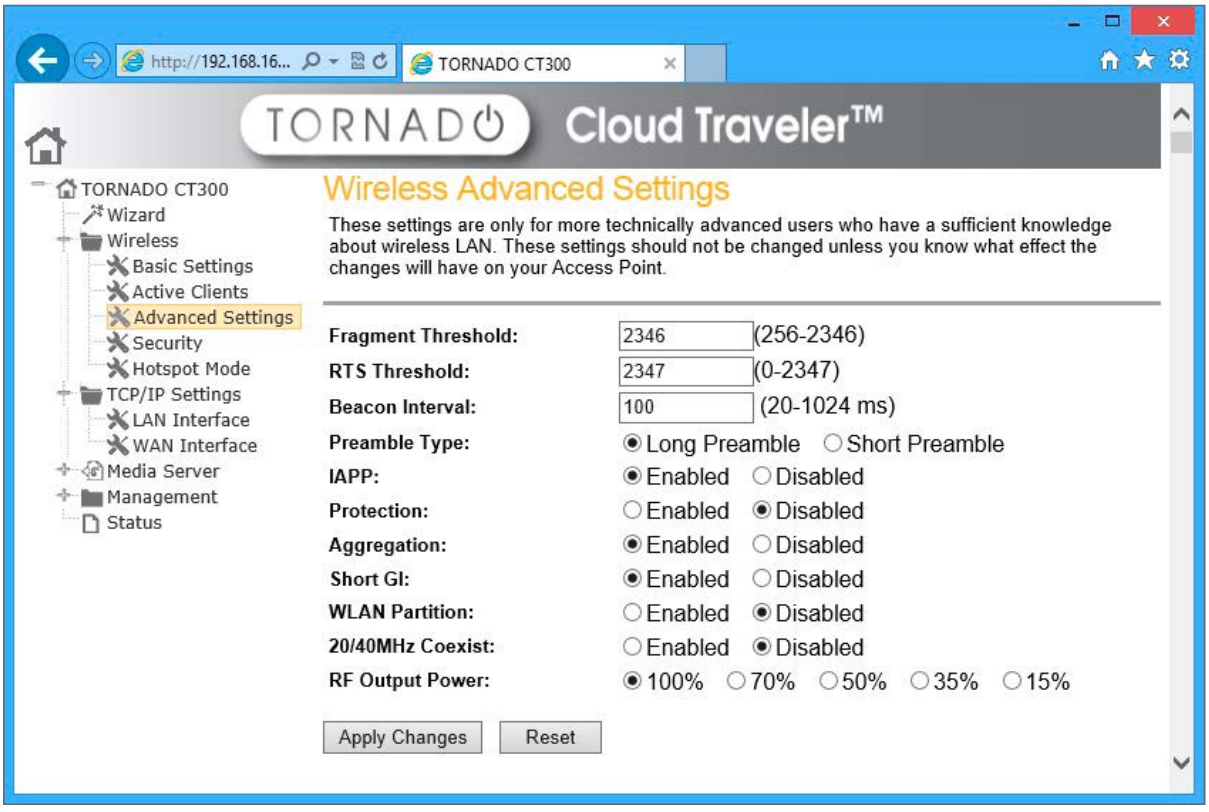
3.7.1.2 Active Clients

Click on the **Active Clients** link and it will show the clients currently connected to the Cloud Traveler™.



3.7.1.3 Advanced Settings

This page is for advanced users who have sufficient knowledge of wireless LAN settings.
These settings must not be changed unless you know exactly what the effect of these changes in the network settings will be.



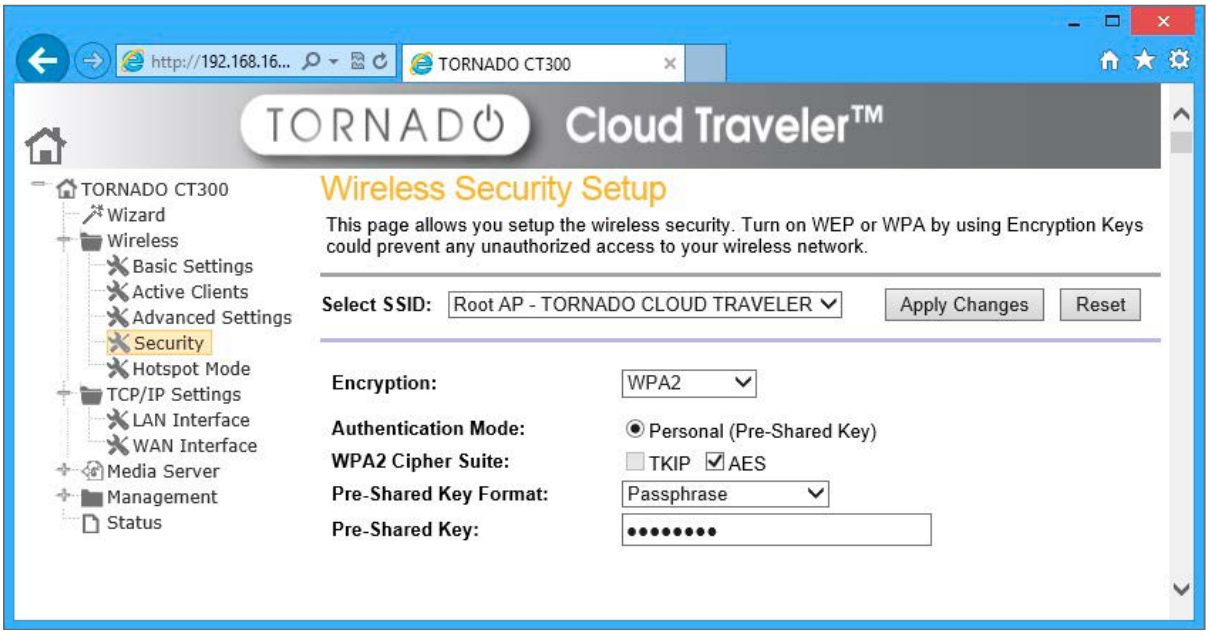
Fields & Descriptions:

- **Band** Select the appropriate band from the list provided to correspond with your network setting.
- **Fragment Threshold** This value should remain at its default setting of 2346. It specifies the maximum size for a packet before data is fragmented into multiple packets. If you experience a high packet error rate, you may slightly increases the “Fragment Threshold” value within the value range of 256 to 2346. Setting this value too low may result in poor network performance.
  Only minor modifications of this value are recommended.
- **RTS Threshold** This value should remain at its default setting of 2347. Should you encounter inconsistent data flow, only minor modifications are recommended. If a network packet is smaller than the preset “RTS threshold” size, the RTS/CTS mechanism will not be enabled. The AP sends Request to Send (RTS) frames to a particular receiving station and negotiates the sending of a data frame. After receiving an RTS, the wireless station responds with a Clear to Send (CTS) frame to acknowledge the right to begin transmission.
- **Beacon Interval** The Beacon Interval value indicates the frequency interval of the beacon.
  Enter a value between 20 and 1024. A beacon is a packet broadcast by the router to synchronize the wireless network. The default is 100.
- **Preamble Type** The Preamble Type defines the length of the CRC (Cyclic Redundancy Check) block for communication between the AP and mobile wireless stations. Make sure to select the appropriate preamble type. Note that high network traffic areas should use the *short preamble* type. CRC is a common technique for detecting data transmission errors.
- **IAPP** The IEEE 802.11F or Inter-Access Point Protocol (IAPP) is a recommendation that describes an optional extension to IEEE 802.11 that provides wireless access-point communications among multivendor systems.
- **Protection** Prevent from interference of 11b devices.
- **Aggregation** Aggregating data unit. It can improve some transmission efficiency.
- **Short GI** Short guard interval. Short GI can improve transmission data rate
- **WLAN Partition** Isolate each WLAN client.
- **20/40MHz Coexist** 20MHz and 40MHz bandwidth will coexist when enabled.
- **RF Output Power** RF Output power level 100%, 70%, 50%, 35%,15%

Apply Changes
Change the settings. New parameters will take effect after save into flash memory and please reboot device.

3.7.1.4 Security

This screen allows you to setup your wireless security settings.
Turn on WEP or WPA encryption to prevent any unauthorized access to your WLAN.



Fields & Descriptions:

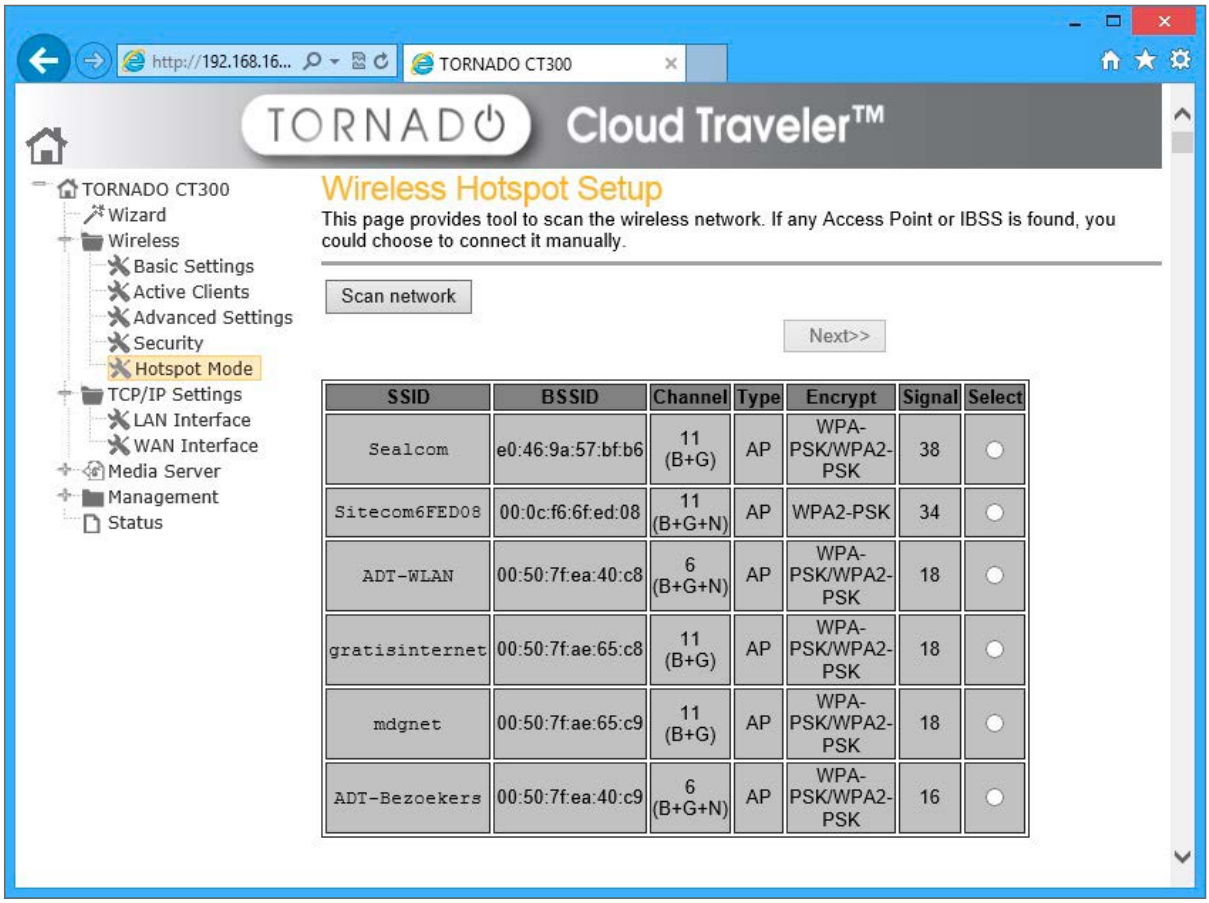
- **Band** — Select the appropriate band from the list provided to correspond with your network setting.
- **Encryption** — There are 4 types of security to be selected. To secure your WLAN, it's strongly recommended to enable this feature.
  WEP: Make sure that all wireless devices on your network are using the same encryption level and key. Click Set WEP Key button to set the encryption key.
  WPA: WPA uses Advanced Encryption Standard (AES) for data encryption. AES utilized a symmetric 128-bit block data encryption.
  WPA2: WPA2, also known as 802.11i, uses Advanced Encryption Standard (AES) for data encryption. AES utilized a symmetric 128-bit block data encryption.
  WAP Mixed: The AP supports WPA (TKIP) and WPA2 (AES) for data encryption. The actual selection of the encryption methods will depend on the clients.
- **Authentication Mode** — **Personal (Pre-Shared Key):** Pre-Shared Key authentication is based on a shared secret that is known only by the parties involved. To use WPA Pre-Shared Key, select key format and enter a password in the "Pre-Shared Key Format" and "Pre-Shared Key" setting respectively. Please refer to "Pre-Shared Key Format" and "Pre-Shared Key" setting below.
- **Pre-Shared Key Format** — **PassPhrase:** Select this to enter the Pre-Shared Key secret as user-friendly textual secret.
  Hex (64 characters): Select this to enter the Pre-Shared Key secret as hexadecimal secret.
- **Pre-Shared Key** — Specify the shared secret used by this Pre-Shared Key.
  If the "Pre-Shared Key Format" is specified as PassPhrase, then it indicates a passphrase of 8 to 63 bytes long; or if the "Pre-Shared Key Format" is specified as PassPhrase, then it indicates a 64-hexadecimal number.

Apply Changes
Change the settings. New parameters will take effect after save into flash memory and please reboot device.

3.7.1.5 Hotspot Mode

To configure the Cloud Traveler™ to Hotspot mode:

1. Click **Scan network** button and select a root AP to connect. Click Connect button to continue.



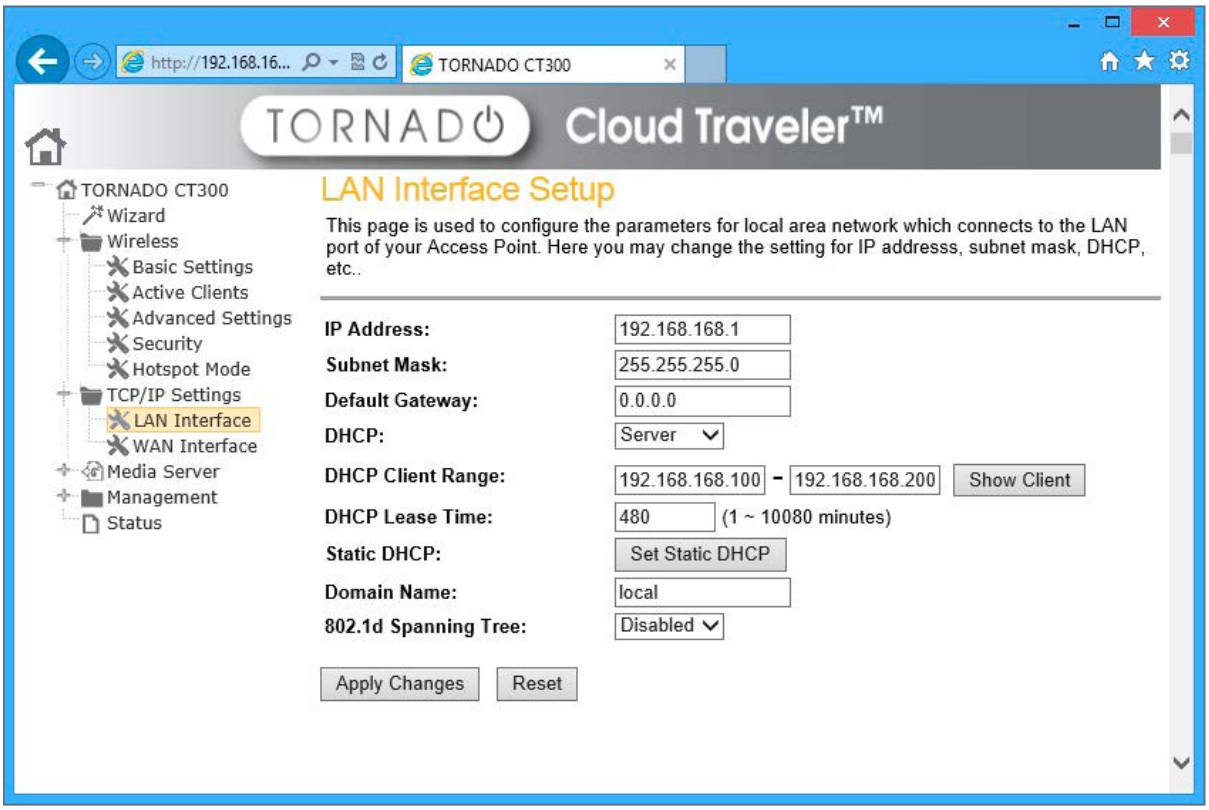
2. Select Encryption and fill in the key of the root AP and click the “Finished” button to save these settings.

3.7.2 TCP/IP Settings

There are two sub-menus for TCP/IP Settings: [LAN Interface] and [WAN Interface].

3.7.2.1 LAN Interface

This page is used to configure the parameters for a local area network which connects to the Cloud Traveler™. Here you may change the setting of the IP address, subnet mask, DHCP, etc.



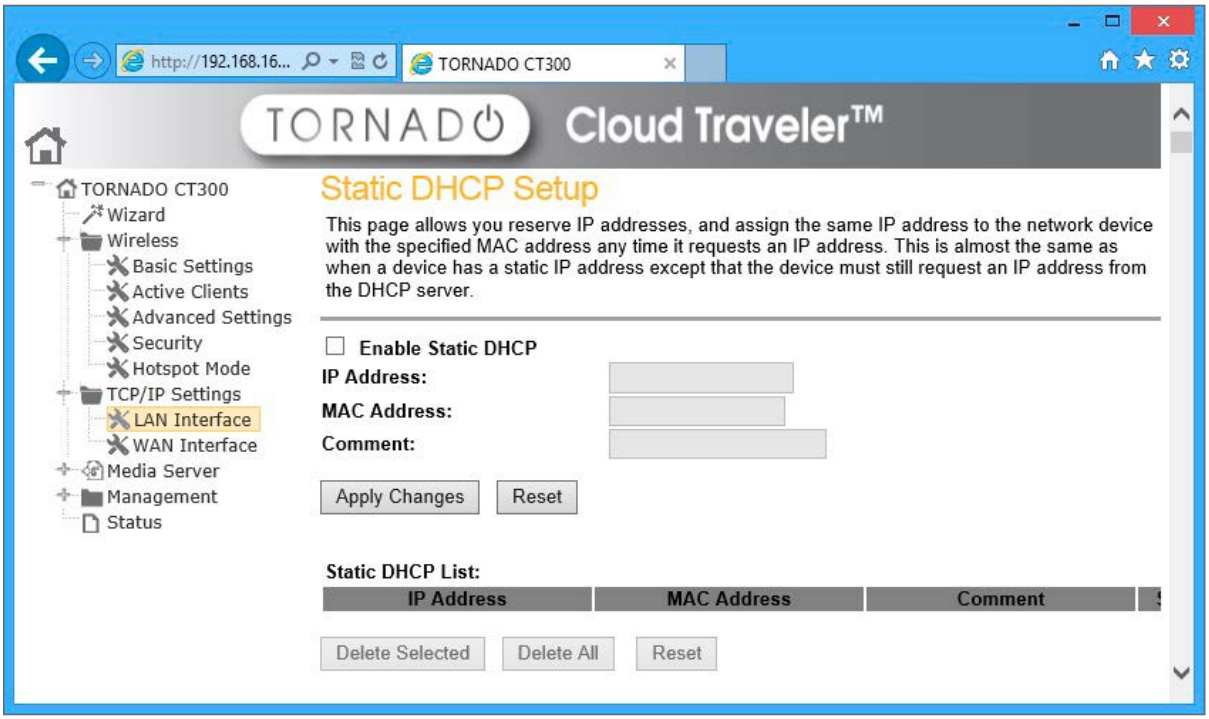
Fields & Descriptions:

- **IP Address** The LAN IP address of Cloud Traveler™.
- **Subnet Mask** LAN subnet mask.
- **Default Gateway** The default gateway is the routing device used to forward all traffic that is not addressed to a station within the local subnet.
- **DHCP** Disabled, Client, Server mode.
- **DHCP Client Range** Specify the lowest and highest addresses in the range.
- **Static DHCP** Choose Enable to enable static DHCP.
- **Domain Name** Domain name to be registered with the DNS server.
- **802.1d Spanning Tree** Enable/Disable 802.1d Spanning Tree. Default is Disabled.

Function buttons for this setting block:

- **Show Client** Click to show the DHCP clients.
- **Set Static DHCP** Click to set static DHCP.
- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

Static DHCP Setup



Fields & Descriptions:

- **IP Address** The IP address of your PC.
- **MAC Address** The MAC address or NIC in your PC.
- **Comment** Fill in a comment when applicable

Function buttons for this settings block:

- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

The Static DHCP List lists the IP Address and MAC addresses of PC which are with Static IP Address. You can select the entries at the Select column and apply to the following function buttons.

Function buttons for the Static DHCP list::

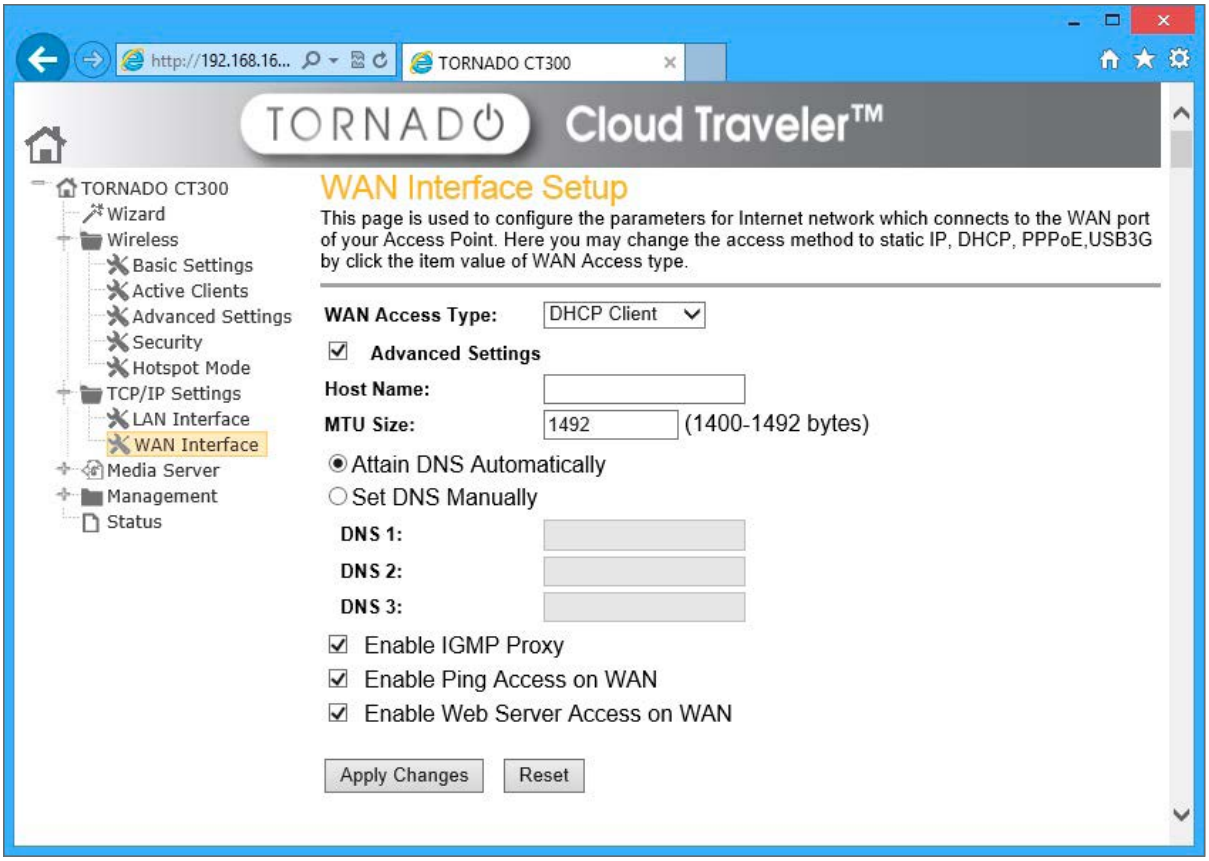
- **Delete Selected** Delete the selected entries from the list.
- **Delete All** Flush the list.
- **Reset** Click to abort change and recover the previous configuration.

3.7.2.2 WAN Interface

This page is used to configure the parameters a an Internet network which connects to the WAN port or USB port of your Cloud Traveler™. Here you may change the access method to static IP, DHCP, PPPoE, USB3G or Android Mobile by choosing the WAN Access type.

3.7.2.2.1 DHCP Client

By default, the Configuration Type is set to DHCP Client, and it should be kept only if your ISP supports DHCP or when you are connecting through a dynamic IP address.



Fields & Descriptions:

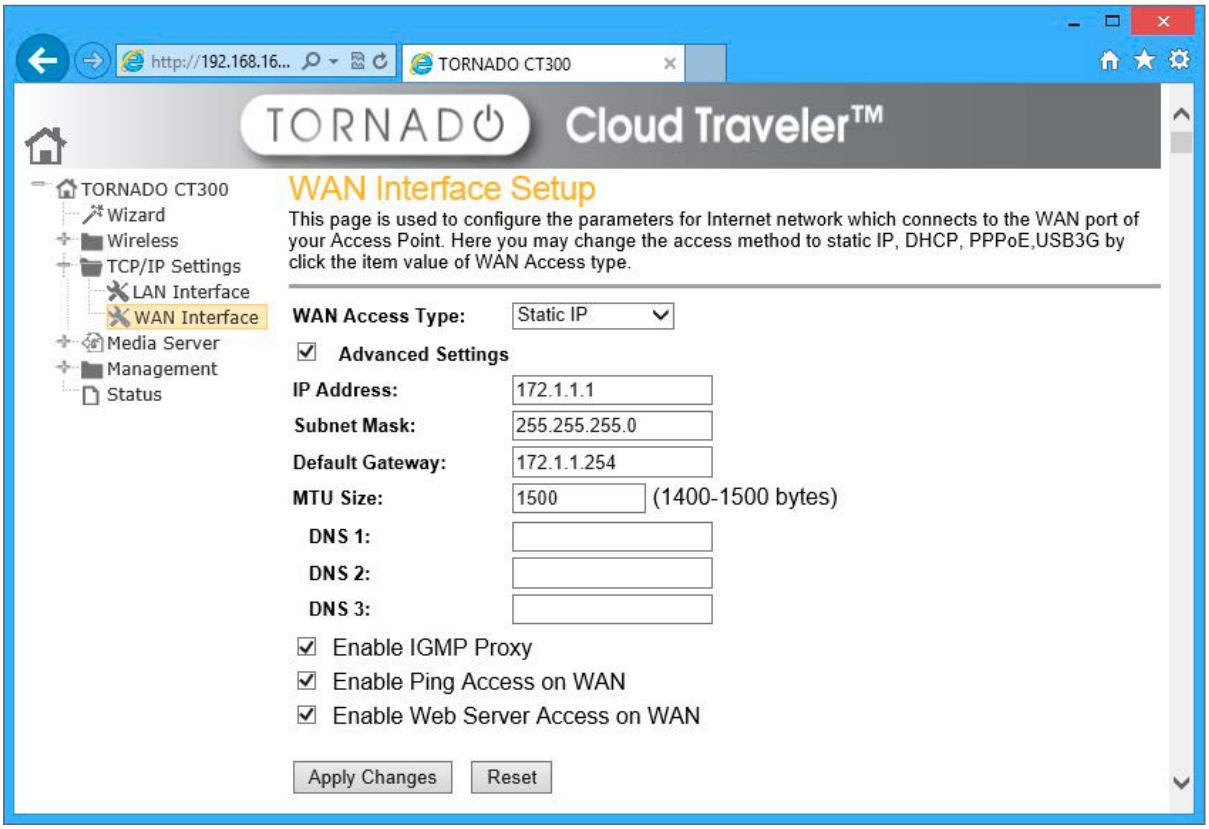
- **WAN Access Type** Choose DHCP Client mode
- **Host Name** Host Name of the device
- **MTU Size** Maximum Transmission Unit. Default is 1492 bytes.
- **Attain DNS Automatically** Click to get DNS server IP address from DHCP server.
- **Set DNS Manually** Click to set DNS server IP address manually.
- **DNS1** Primary DNS Server IP Address.
- **DNS2** Secondary DNS Server IP Address.
- **DNS3** Third DNS Server IP Address.
- **Enable IGMP Proxy** Click to enable IGMP Proxy.
- **Enable Ping Access on WAN** Click to enable Ping access on WAN.
- **Enable Web Server Access on WAN** Click to enable Web remote management from WAN.

Function buttons for this settings block:

- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

3.7.2.2.2 Static IP

If you are required to use a permanent IP address to connect to the Internet, then select **Static IP**.



Fields & Descriptions:

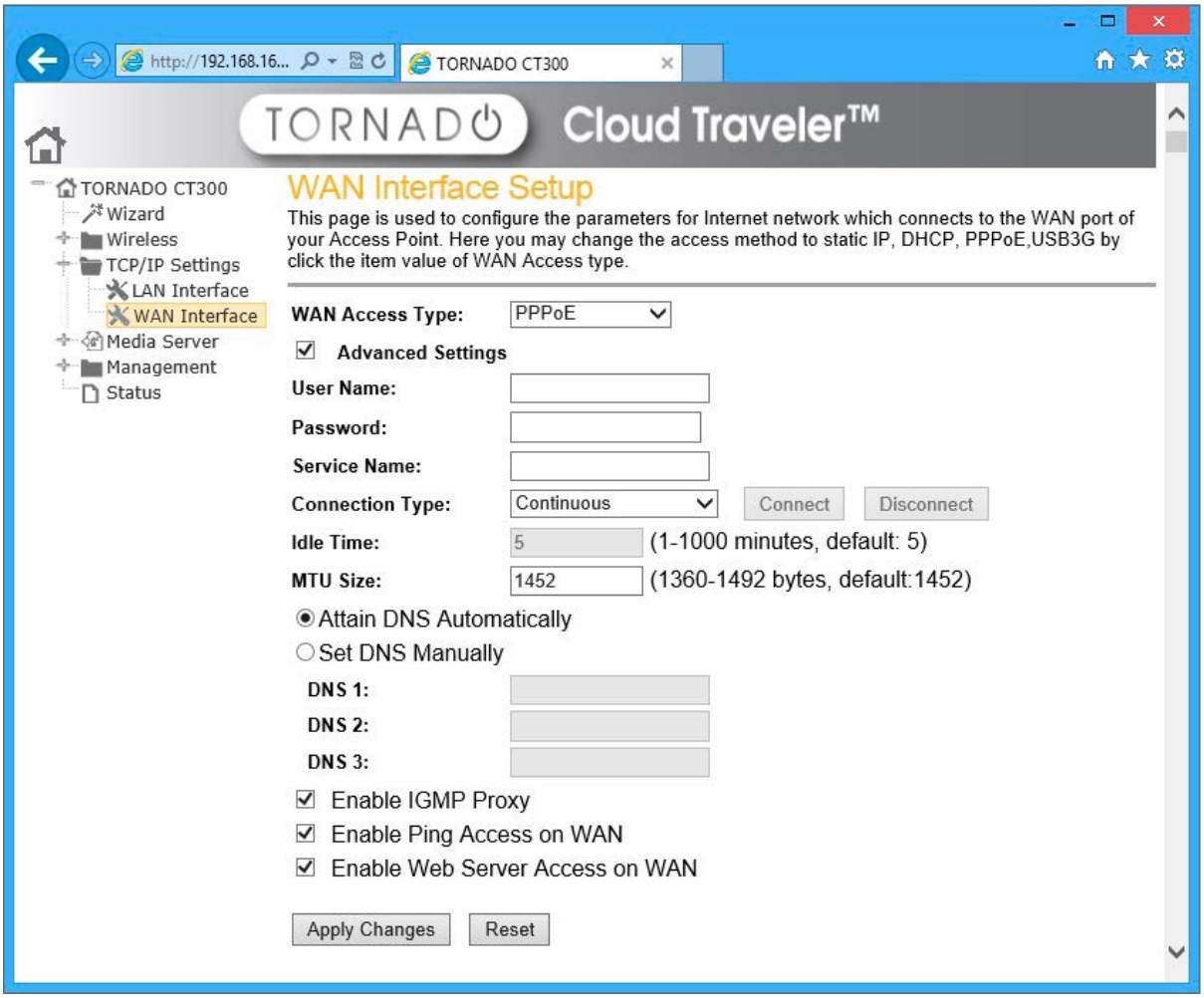
- **WAN Access Type** Choose Static IP mode
- **IP Address** Fill in Static IP Address provided by ISP.
- **Subnet Mask** Fill in Subnet Mask provided by ISP.
- **Default Gateway** Fill in Default Gateway IP Address provided by ISP.
- **MTU Size** Fill in MTU size. Default is 1500 bytes.
- **DNS1** Primary DNS Server IP Address.
- **DNS2** Secondary DNS Server IP Address.
- **DNS3** Third DNS Server IP Address.
- **Enable IGMP Proxy** Click to enable IGMP Proxy.
- **Enable Ping** Click to enable Ping access on WAN.
- **Enable Web Server Access on WAN** Click to enable Web remote management from WAN.

Function buttons for this settings block:

- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

3.7.2.2.3 PPPoE

PPPoE: When PPPoE Mode is selected from the WAN Access type drop down list, the following screen will display. Point-to-Point Protocol (PPP) is a method of establishing a network connection between network hosts. PPPoE, also known as RFC 2516, adapts PPP to work over Ethernet. PPPoE provides a mechanism for authenticating users by providing User Name and Password fields and it is a connection type provided by many ISP's or Telecom companies.



Fields & Descriptions:

- **WAN Access Type** — Choose PPPoE mode
- **User Name** — Your ISP Account ID. Check your ISP for details.
- **Password** — Your ISP Account Password. Check your ISP for details.
- **Service Name** — Your ISP Service Name. Check your ISP for details.
- **Connection Type** — There are Continuous, connect on Demand and Manual in connection type.
- **Idle Time** — Specifies that PPPoE connection should disconnect if the link has no activity detected for n minutes. This field is used in conjunction with the On-Demand feature and is enabled in connection type. To ensure that the link is always active, enter a **0** in this field.
- **MTU Size** — Maximum Transmission Unit. The largest size packet that can be sent by the modem. If the network stack of any packet is larger than the MTU value, then the packet will be fragmented before the transmission. Default is 1452 bytes.

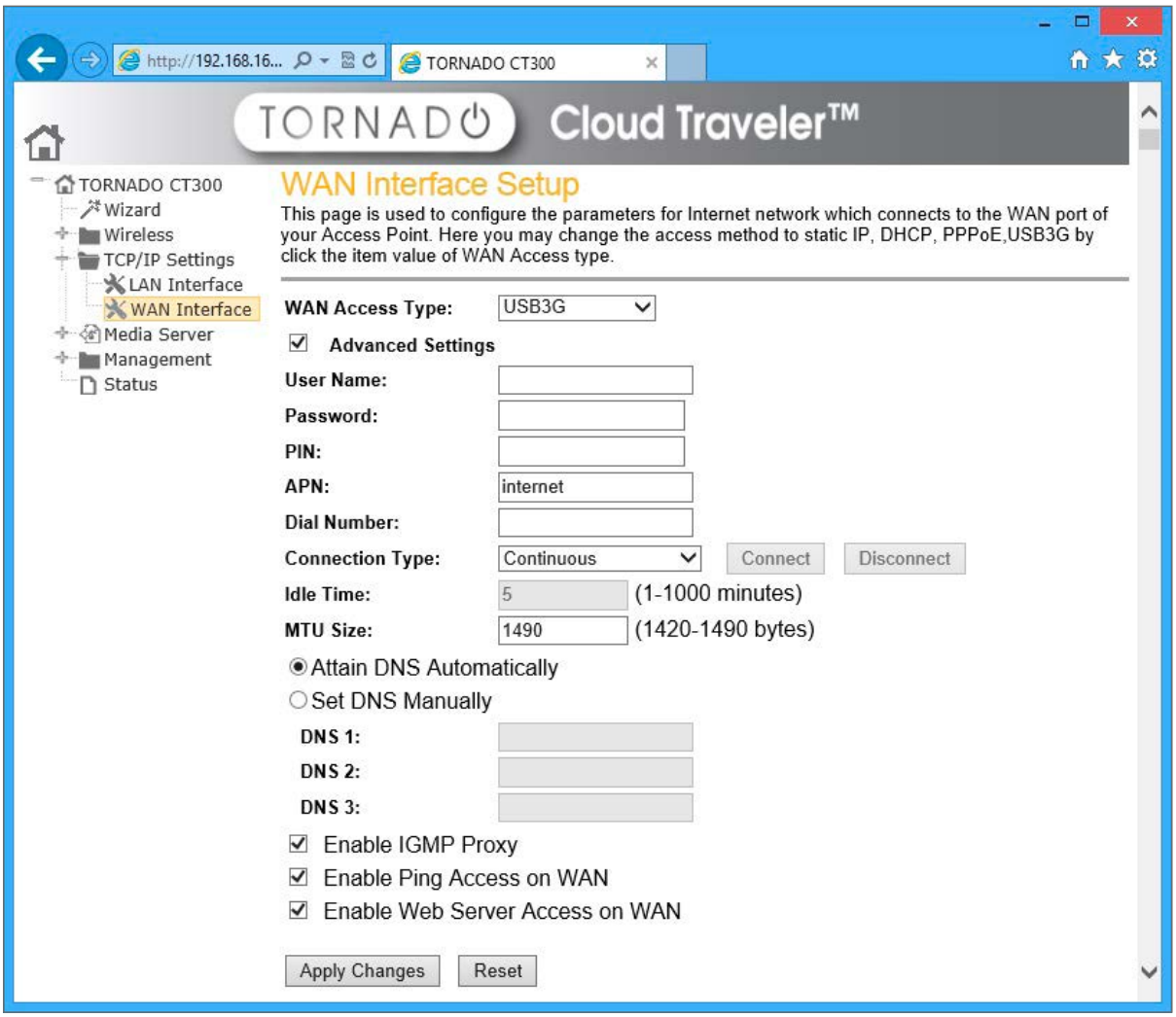
- **Attain DNS Automatically** Attain DNS server IP address from ISP automatically.
- **Set DNS Manually** Setup DNS server IP address manually.
- **DNS1** Primary DNS Server IP Address.
- **DNS2** Secondary DNS Server IP Address.
- **DNS3** Third DNS Server IP Address.
- **Enable IGMP Proxy** Click to enable IGMP Proxy.
- **Enable Ping** Click to enable Ping access on WAN.
- **Enable Web Server Access on WAN** Click to enable Web remote management from WAN.

Function buttons for this settings block:

- **Connect** Click to connect ISP. It is available when you choose manual in connection type.
- **Disconnect** Click to disconnect ISP. It is available when you choose manual in connection type.
- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

3.7.2.2.4 USB3G

Connect your 3G USB card to the USB port of the Cloud Traveler™.
You can share your 3G Internet connection with other Wi-Fi enabled devices.



Fields & Descriptions:

- **WAN Access Type**	Choose USB3G mode
- **User Name**	Your ISP Account ID. Check your ISP for details.
- **Password**	Your ISP Account Password. Check your ISP for details.
- **PIN**	Person Identification Number.
- **APN**	Enter APN string provided by ISP.
- **Dial Number**	Enter Dial Number provided by ISP
- **Connection Type**	There are Continuous, connect on Demand and Manual in connection type.
- **Idle Time**	Specifies that PPPoE connection should disconnect if the link has no activity detected for n minutes. This field is used in conjunction with the On-Demand feature and is enabled in connection type. To ensure that the link is always active, enter a **0** in this field.
- **MTU Size**	Fill in MTU size. Default is 1490 bytes.
- **Attain DNS Automatically**	Attain DNS server IP address from ISP automatically.
- **Set DNS Manually**	Setup DNS server IP address manually.
- **DNS1**	Primary DNS Server IP Address.
- **DNS2**	Secondary DNS Server IP Address.
- **DNS3**	Third DNS Server IP Address.
- **Enable IGMP Proxy**	Click to enable IGMP Proxy.
- **Enable Ping**	Click to enable Ping access on WAN.
- **Enable Web Server Access on WAN**	Click to enable Web remote management from WAN.

Function buttons for this settings block:

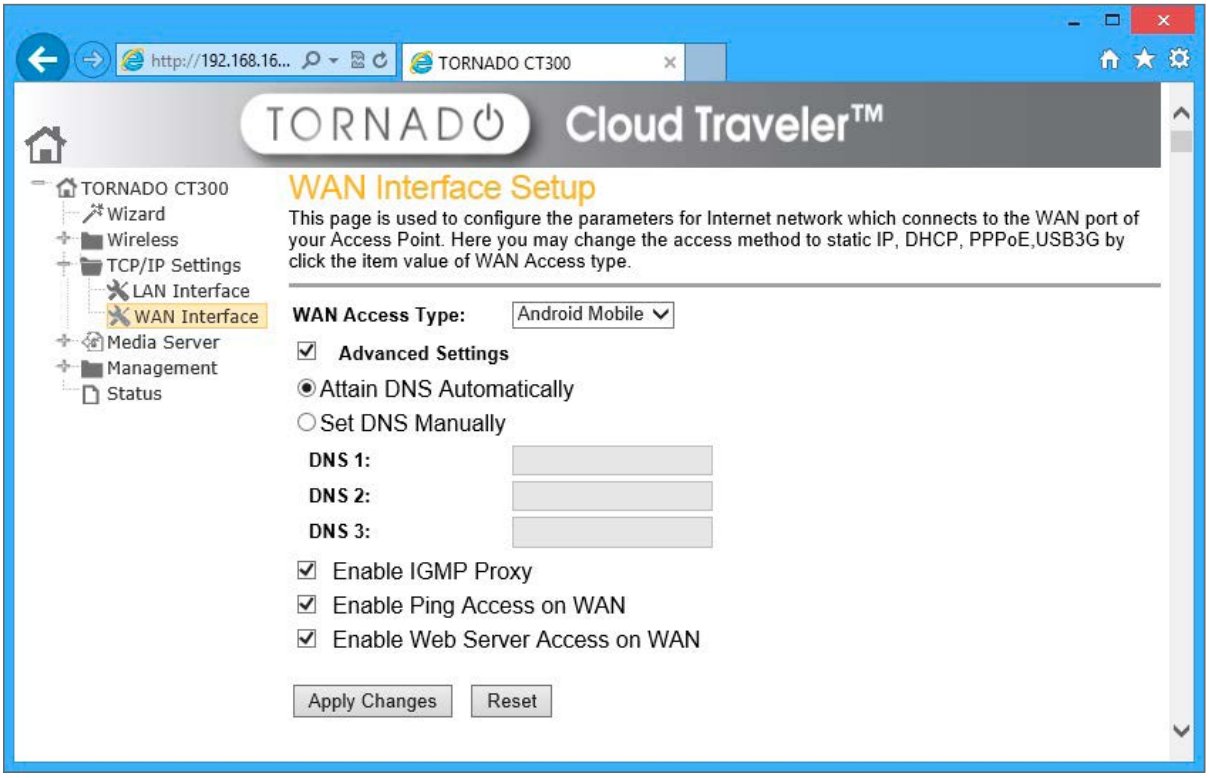
- **Connect**	Click to connect ISP. It is available when you choose manual in connection type.
- **Disconnect**	Click to disconnect ISP. It is available when you choose manual in connection type.
- **Apply Changes**	Click to apply the new configuration.
- **Reset**	Click to abort change and recover the previous configuration.

3.7.2.2.5 Android Mobile

Share your Android smartphone's data connection via USB.
Use the USB cable that comes with your smartphone to connect to the USB port of Cloud Traveler™.

Change the configuration on your Android Phone:

1. Press Home, press **Menu** and touch **Settings** to open the Settings application
2. Touch Wireless & networks > Tethering & portable hotspot.
3. Check USB Tethering: The phone starts sharing its mobile network data connection with your Cloud Traveler™ via USB connection. An ongoing notification is added to the Status bar and Notifications panel.



Fields & Descriptions:

- **WAN Access Type** Choose Android Mobile Phone
- **Attain DNS Automatically** Attain DNS server IP address from ISP automatically.
- **Set DNS Manually** Setup DNS server IP address manually.
- **DNS1** Primary DNS Server IP Address.
- **DNS2** Secondary DNS Server IP Address.
- **DNS3** Third DNS Server IP Address.
- **Enable IGMP Proxy** Click to enable IGMP Proxy.
- **Enable Ping** Click to enable Ping access on WAN.
- **Enable Web Server Access on WAN** Click to enable Web remote management from WAN.

Function buttons for this settings block:

- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

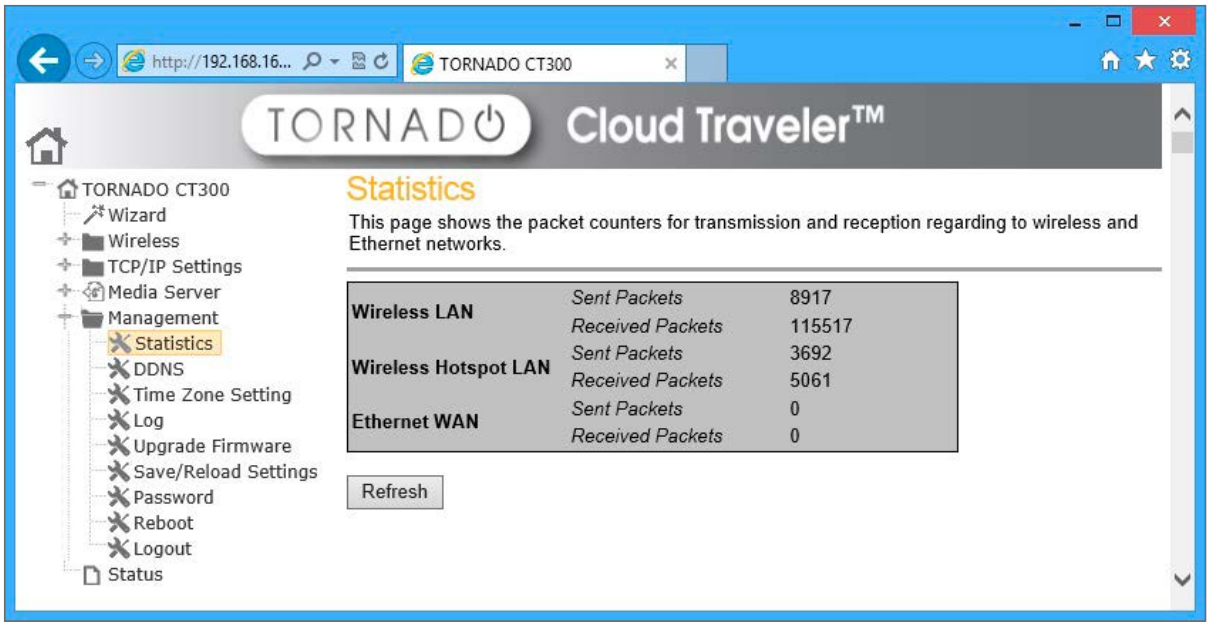
3.8 Management

The **Management** page allows you to manage your Cloud Traveler™.
You can view the Management link in the left navigation bar. Following are the options available under Management:

- **Statistics**
- **Time Zone Setting**
- **Log**
- **Upgrade Firmware**
- **Save/Reload Settings**
- **Password**
- **Reboot**
- **Logout**

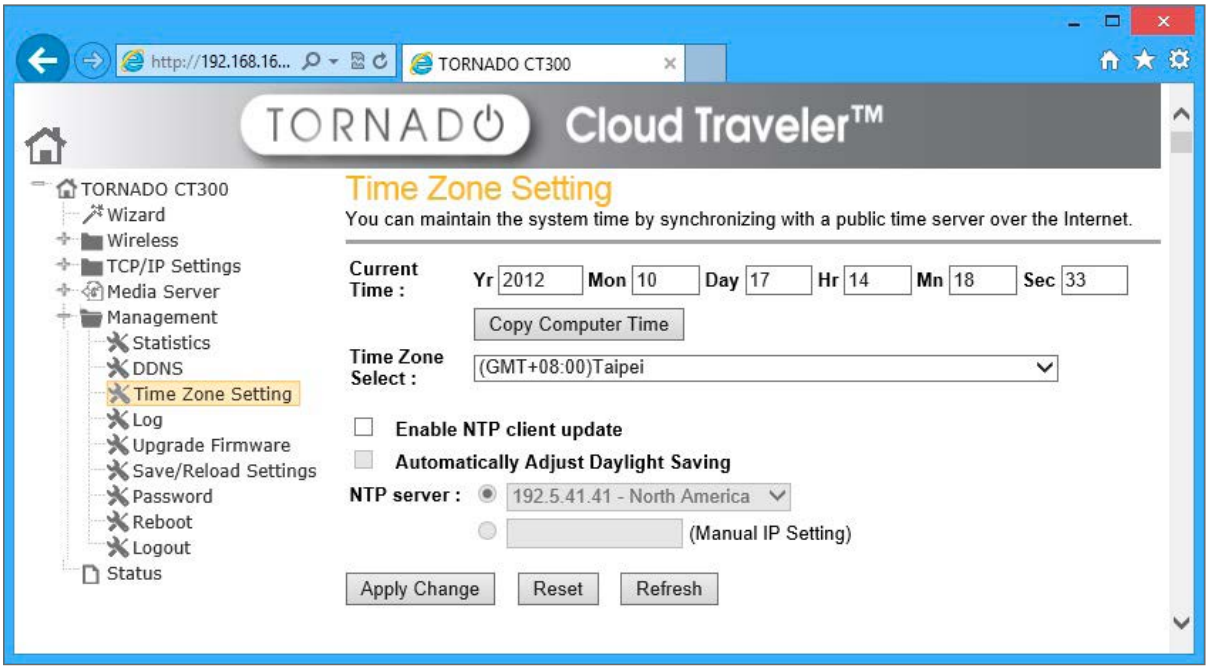
3.8.1 Statistics

This page shows the packet counters for transmission and reception regarding to the Wireless LAN and Ethernet WAN networks.



3.8.2 Time Zone Setting

You can synchronise date and time with a public time server over the Internet.



Fields & Descriptions:

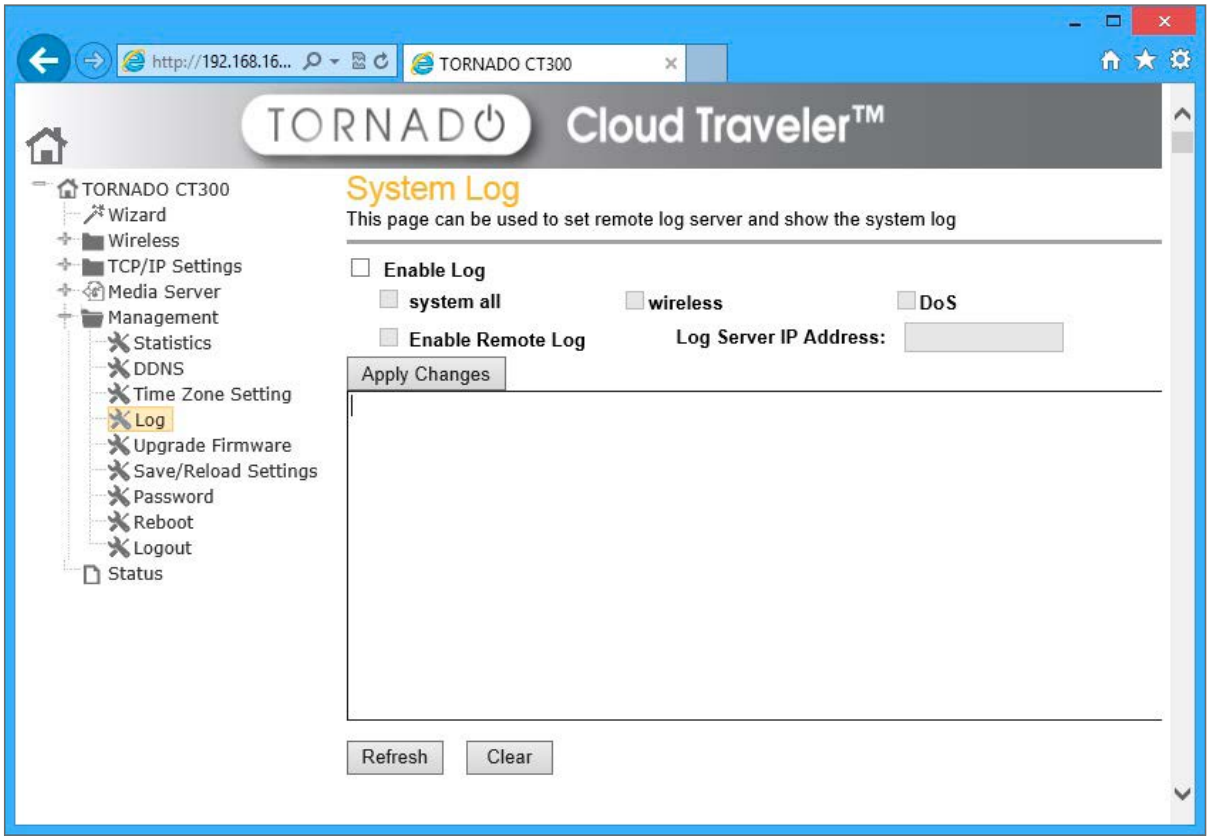
- **Current Time** — The current time of the specified time zone. You can set the current time by yourself or configured by SNTP.
- **Time Zone Select** — The time zone in which the DSL device resides.
- **Enable NTP client update** — Enable the NTP client to update the system clock.
- **Automatically Adjust Daylight Saving** — Check to Automatically Adjust Daylight Saving.
- **NTP server** — The IP address of the NTP server. You can select from the list or set it manually

Function buttons for this settingss block:

- **Apply Changes** — Click to apply the new configuration.
- **Reset** — Click to abort change and recover the previous configuration.
- **Refresh** — Click to refresh the configuration.

3.8.3 Log

This page can be used to set a remote log server to store the system log.



Fields & Descriptions:

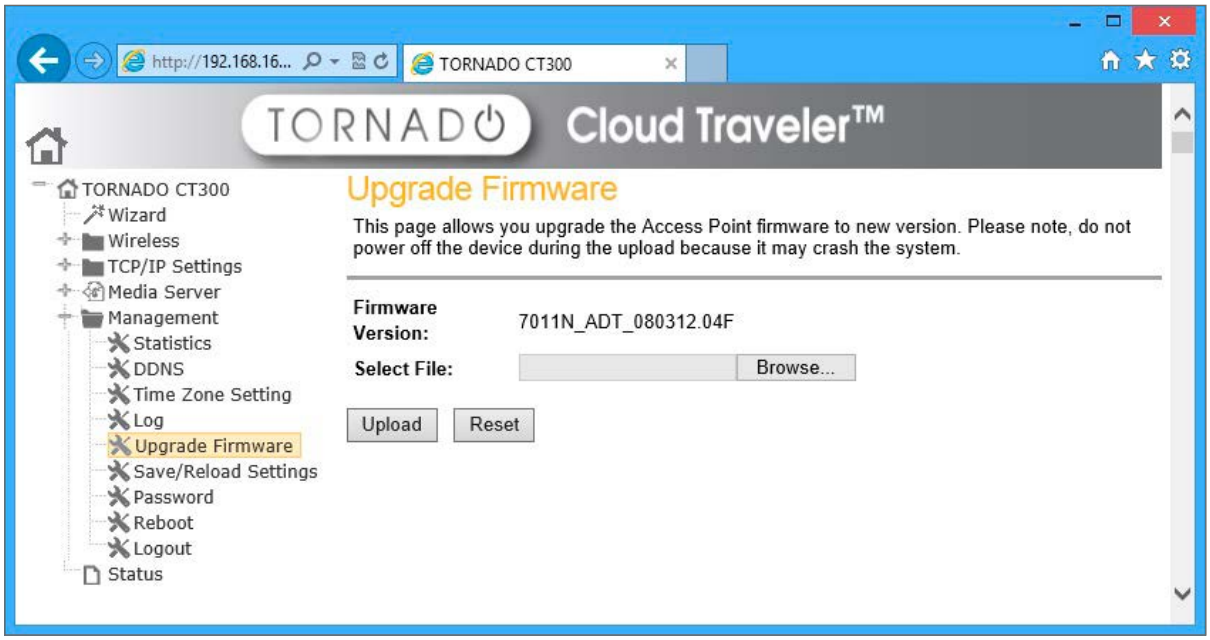
- **Enable Log** Check to enable Log.
- **System all** Check to enable log of system all.
- **Wireless** Check to enable log of Wireless.
- **DoS** Check to enable log of DoS.
- **Enable Remote Log** Check to enable remote log.
- **Log Server IP Address** Fill in the IP address of Log server.

Function buttons for this settings block:

- **Apply Changes** Click to apply the new configuration.
- **Refresh** .....
- **Clear** .....

3.8.4 Upgrade Firmware

This page allows you upgrade the firmware to a newer version.
Please note, do not power off the device during this procedure as it may crash the system..



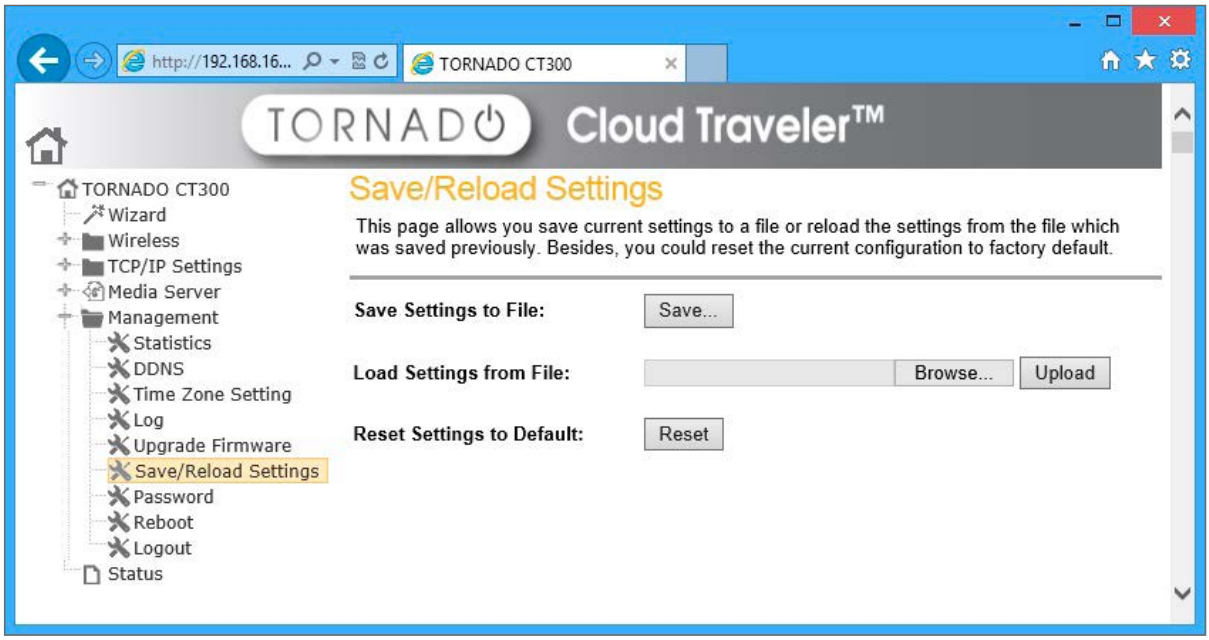
To upgrade the firmware for the device you must first download the appropriate version.

1. Click the Browse button to select the firmware file.
2. Confirm your selection.
3. Click the Upload button to start upgrading.

IMPORTANT!
Do not turn off your device or press the Reset button while this procedure is in progress.

3.8.5 Save/Reload Setting

This page allows you save the current settings to a file or reload the settings from a file which was saved previously. You can reset the current configuration to the factory default



Function buttons for this settings block:

- **Save** — Click to save the setting to a file.
- **Upload** — To load the setting for the Cloud Traveler™:
  1. Click the *Browse* button to select the setting file.
  2. Confirm your selection.
  3. Click the *Upload* button to start uploading.
- **Reset** — Click to reset settings to default.
  The Cloud Traveler™ will reboot.

3.8.6 Password

This page is used to set the password for the admin account to access the web server of the Cloud Traveler™. An empty user name and password will disable the protection.

Fields & Descriptions:

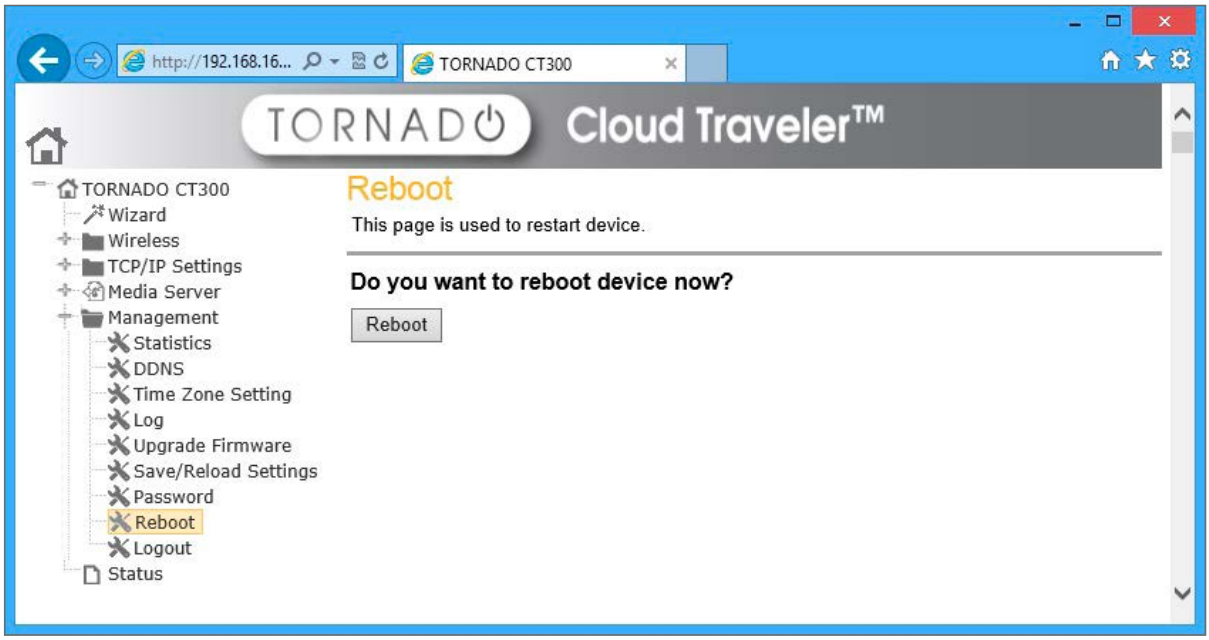
- **User Name** Fill in new username for login.
- **New Password** Fill in new password for login.
- **Confirmed Password** Fill in new password again to confirm.

Function buttons for this settings block:

- **Apply Changes** Click to apply the new configuration.
- **Reset** Click to abort change and recover the previous configuration.

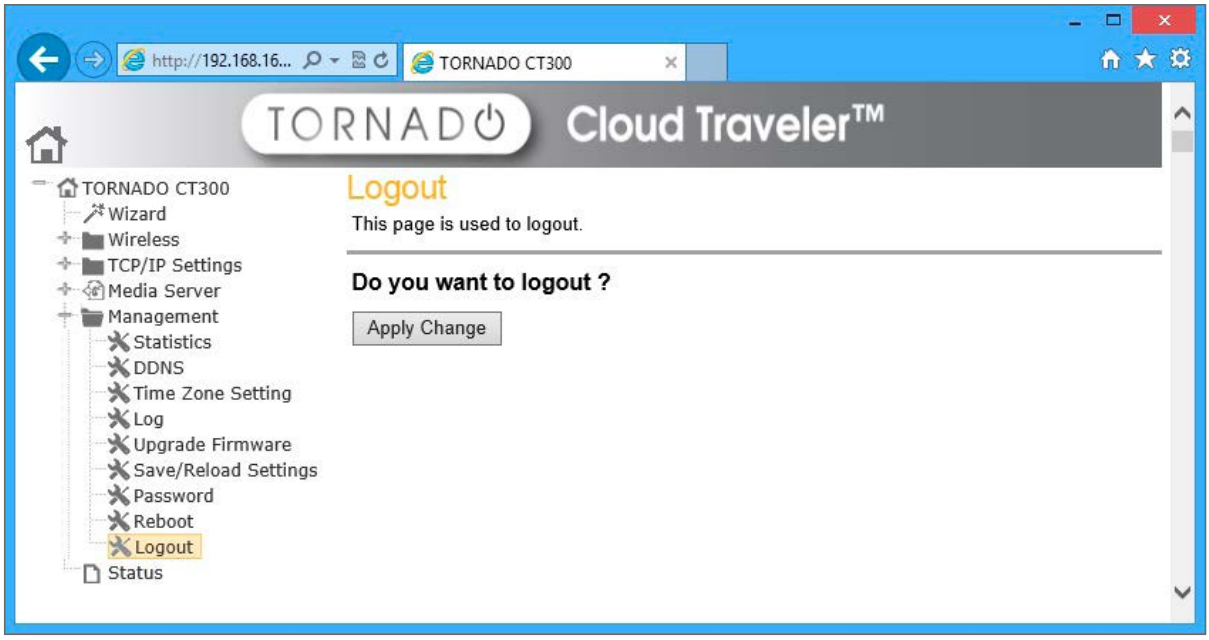
3.8.7 Reboot

This page is used to reboot the Cloud Traveler™.



3.8.8 Logout

This page is used to logout from the web interface of the Cloud Traveler™.

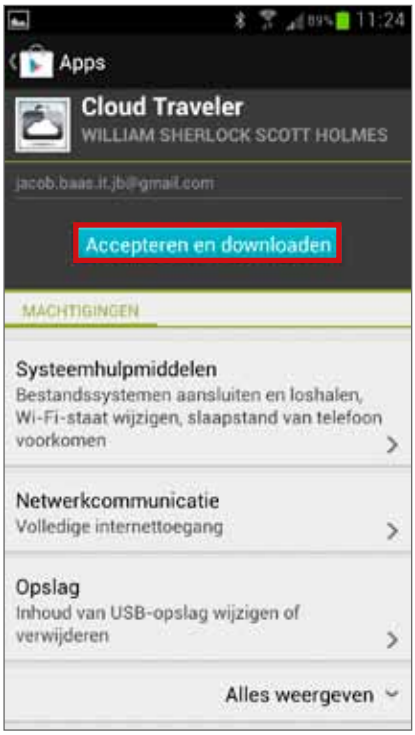


4.1 Install APP

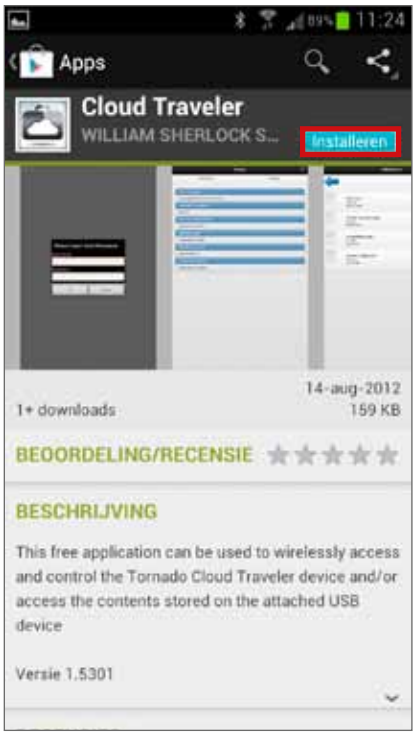
4.1.1 Android Phone/Tablet

1. Please enter the Wi-Fi Settings of your Smartphone/Tablet and connect to the Cloud Traveler™ first.

2. Tap “Play Store” and search “Cloud Traveler” APP. Tap it to download the APP.



3. Tap “Install” to install the APP. Tap ‘Open’ to run the APP, you will see the homepage.



4. You can find the Cloud Traveler icon in the application list when you want to run this APP the next time.

4.1.2 iPhone/iPad

1. Please enter the Wi-Fi Settings of your iPhone/iPad and connect to the Cloud Traveler™ first.

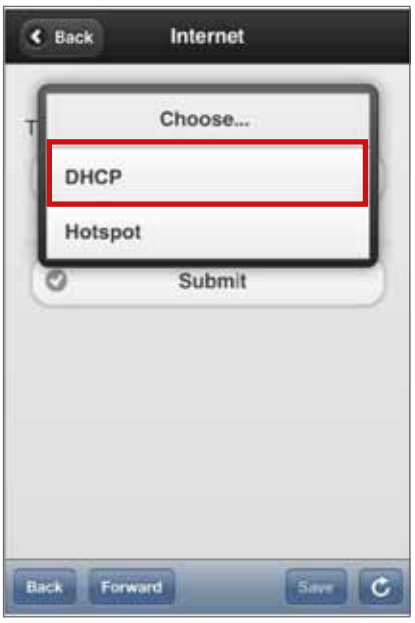
2. Go to **APP Store** and fill in “Cloud Traveler” to search for the APP. Tap it to download and install the APP. After installation, there will be a Cloud Traveler™ icon on the Home screen.

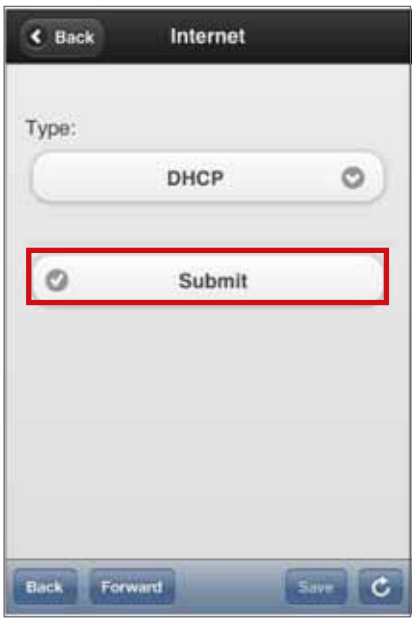
4.2 Setting

Besides the App, you can also use a web browser to configure the device.
Launch a web browser and enter the Cloud Traveler's IP Address: **192.168.168.1**
and enter the default user name: **admin** and password: **admin**

4.2.1 Gateway Mode

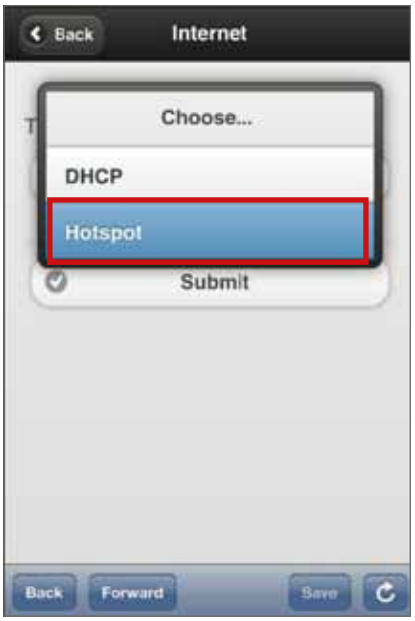
1. Touch Setting -> Internet
2. Touch Choose and select DHCP.
3. Touch "Submit" to apply these settings.
   Settings are saved.

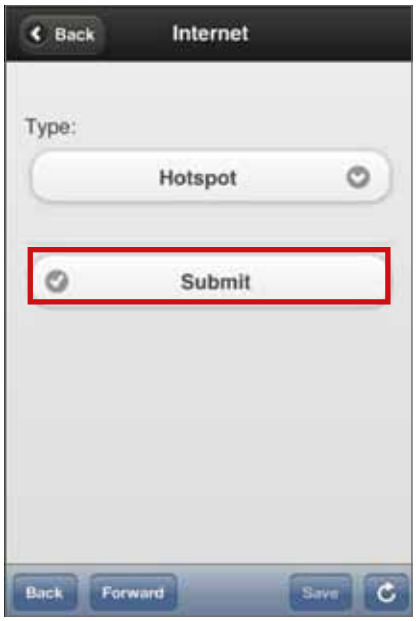




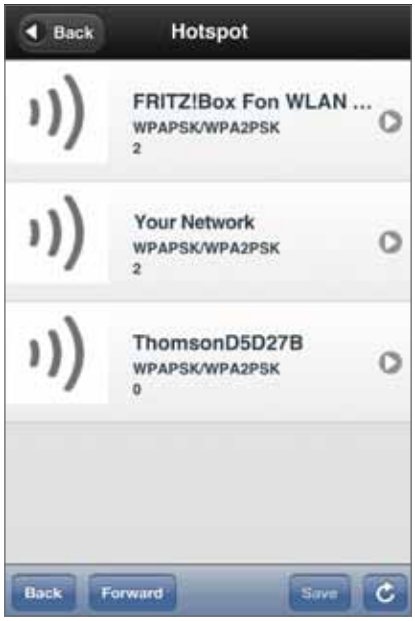
4.2.2 Hotspot Mode

1. Touch Setting -> Internet
2. Touch Choose and select Hotspot.
3. Touch “Submit” to apply these settings.





4. It will list the Wireless AP for you to connect to. Touch an AP to connect.
5. When AP’s encryption is WPA/WPA2, enter the pre-shared key of the wireless AP. Touch “Join” to continue.
6. When AP’s encryption is WEP, choose Key Length, Key Format and enter the WEP key of the wireless AP. Touch “Join” to continue.



7. Settings are saved. Touch Confirm to exit.

4.2.3 Wireless Setting

1. Touch Setting -> Wireless
2. In Authentication Type, choose “Open”,”WEP” or “WPA-Auto”. Fill in the Pre-Shared Key when the Authentication Type is WPA-Auto. Fill in the WEP key when the Authentication Type is WEP. You can turn on Turbo mode and the channel width will be 40MHz. Fill in the SSID. Touch Submit to confirm these settings.

3. Settings are saved.
   Device is now rebooting and you have to reconnect to it via Wi-Fi when you have changed the SSID and/or Pre-Shared Key.

4.3 Accessing the connected USB storage device

1. Touch USB Device

   It will show the directories and files on the USB HDD or Flash Drive.
   Choose the video or music file you want to stream from the Cloud Traveler™ to your iPhone/iPad.

Appendix A
Troubleshooting

Cloud Traveler™ does not respond

- Power ON Cloud Traveler™
- If this does not work, check if the power plug is connected to the AC outlet.

Wi-Fi devices cannot connect to the Cloud Traveler™

- Verify the network configuration settings of the Wi-Fi devices.
- Verify the wireless security key.
- Verify that the Wi-Fi devices are in the wireless network range of the Cloud Traveler™.

The throughput is very slow

- Avoid placing the Cloud Traveler™ near metal objects
- Try changing the wireless channel.

Cannot access the Cloud Traveler™ webpage

- Check that the IP address of your Wi-Fi client is in the same network range as the Cloud Traveler™.
- Press the reset button (more than 5 seconds, then release) to reset the Cloud Traveler™ to factory default
- If needed, you can now restore your saved configuration settings or apply new ones.

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